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Product Catalogue 2022

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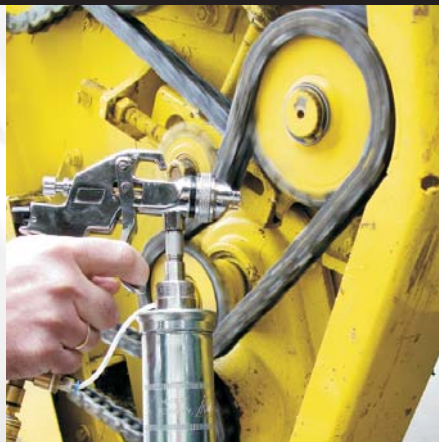
MATO GmbH & Co. KG, Main Production Facility and Administration Headquarters, Mühlheim a.M., Germany

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GLOBAL PRESENCE



QUALITY



CUSTOMER FOCUS

INNOVATION

High-Quality Lubrication Equipment for High-Quality Lubricants

Every machine or piece of plant has moving parts. Lubricants are necessary to reduce friction, minimise wear and to offer protection against the intrusion of impurities and corrosion. These lubricants can only fulfil their defined and intended functions if they are delivered cleanly, safely and in the required volumes.

In all sectors of production, maintenance and repair, lubricant is often delivered at high pressure creating risks for operators, machinery and the environment. The complete range of MATO lubrication equipment enables our customers to handle and supply lubricants reliably, safely, economically and ecologically.

Products for handling lubricating greases, hydraulic and lubricating oils are supplemented by an intelligent range of pumps and accessories for fluids such as diesel, fuel oil and two stroke fuels.

State of the art production takes place in our fully automated manufacturing facility and, thanks to a consistent, rigorous and customer-focussed quality policy.

MATO Lubrication Equipment enjoys a worldwide reputation for excellence.

MATO Lubrication Equipment Fluid Handling Products

Lube-Shuttle® - Grease Gun System



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Lube Shuttle



HENNLICH
ŽIJEME TECHNIKOU

o.z. HENNLICH CEMA-TECH,
Dolní 183/30, 591 01 Žďár nad Sázavou

Telefon: +420 566 630 524
E-mail: cema-tech@hennlich.cz

www.hennlich.cz/cema-tech

Lube-Shuttle® System Side-Lever Grease-Gun

Description	Part No.
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Images and specifications can be subject to change without notice

Lube-Shuttle® Side-Lever Grease-Gun, galvanized

Side-lever grease gun for Lube-Shuttle® cartridges, high quality version with zinc plated all-steel pumphead and cartridge protection tube, packed in environmentally friendly display carton with user instructions and safety advise. Working pressure more than 400 bar (5.800 psi), maximum pressure capability approx. 800 bar (11.600 psi), TÜV, DLG, BLT approved

- Tool free cartridge opening with screw-cap, re-usable
- Fast and clean loading and unloading without opening gun
- Type and quantity of grease visible at a glance
- Optimum use of all grease in cartridge
- Environmentally friendly
- Refillable using Lube-Shuttle filler pumps with refill adaptor (part no. 3115050)

Lube-Shuttle® without accessories, galvanized M10x1	30 020 60
Lube-Shuttle® without accessories, galvanized 1/8"	30 010 70
Lube-Shuttle® with rigid tube E4024, galvanized M10x1	30 120 90
Lube Shuttle® with rigid tube E4024, galvanized 1/8"	30 110 00

with 300mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, and 4-jaw hydraulic coupler	
Lube-Shuttle® with hose PH-30C, galvanized M10x1	30 320 50
Lube Shuttle® with hose PH-30C, galvanized 1/8"	30 310 60

with 300mm safety rubber hose RH-30C, Steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler	
Lube Shuttle® with hose RH-30C, galvanized M10x1	30 220 20
Lube Shuttle® with hose RH-30C, galvanized 1/8"	30 210 30

Lube-Shuttle® Side-Lever Grease-Gun, painted

Type and accessories as described above, but silver painted, with black hand grip

Lube-Shuttle® without accessories, painted M10x1	30 026 02
Lube-Shuttle® without accessories, painted 1/8"	30 016 05
Lube-Shuttle® with rigid tube E4024, painted M10x1	30 126 49
Lube Shuttle® with rigid tube E4024, painted 1/8"	30 119 01
Lube-Shuttle® with hose PH-30C, painted M10x1	30 326 09
Lube Shuttle® with hose PH-30C, painted 1/8"	30 316 02
Lube Shuttle® with hose RH-30C, painted M10x1	30 229 07
Lube Shuttle® with hose RH-30C, painted 1/8"	30 219 00

Lube-Shuttle® Promo-Set

Lube-Shuttle® Promo-Set in display-carton, includes galvanized Lube-Shuttle® side-lever grease-gun, either with rigid tube E4024, nylon hose or high pressure safety rubber hose, each with 4-jaw hydraulic safety coupler, and two Lube-Shuttle® cartridges MULTI basic 2M

Lube-Shuttle® Promo-Set with rigid tube E4024, M10x1	30 112 39
Lube-Shuttle® Promo-Set with rigid tube E4024, R1/8"	30 112 22
Lube-Shuttle® Promo-Set with hose PH-30C, M10x1	30 112 91
Lube-Shuttle® Promo-Set with hose PH-30C, R1/8"	30 112 77
Lube-Shuttle® Promo-Set with hose RH-30C, M10x1	30 113 38
Lube-Shuttle® Promo-Set with hose RH-30C, R1/8"	30 113 21



For more information on our range of hoses, please see page 26



Lube-Shuttle® System TG One-Hand Grease Gun

Description	Part No.
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Images and specifications can be subject to change without notice

Lube-Shuttle® System TG One-Hand Grease Gun

One-hand grease-gun with galvanized steel barrel for Lube-Shuttle® system cartridges, ergonomically engineered heavy-duty design, delivery rigid tube can be fitted either horizontally or vertically, thereby ensuring optimal access to even difficult to reach lubrication spots! Packed in environmentally friendly display carton with user instructions and safety advise.

Pressure capability of approx. 300 bar (4.350 psi)
All details of features and advantages of the MATO Lube-Shuttle® grease-gun system remains.

without accessories

Lube Shuttle® TG without accessories, thread M10x1	30 060 20
Lube Shuttle® TG without accessories, thread R1/8"	30 050 30

Lube Shuttle® TG with rigid tube

Lube Shuttle® TG with rigid tube, thread M10x1	30 160 50
Lube Shuttle® TG with rigid tube, thread R1/8"	30 150 60

with 300mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, with 4-jaw hydraulic coupler

Lube Shuttle® TG with hose PH-30C, Thread M10x1	30 360 10
Lube Shuttle® TG with hose PH-30C, Thread R1/8"	30 350 20

with 300mm safety rubber hose RH-30C, steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, with 4-jaw hydraulic coupler

Lube Shuttle® TG with hose RH-30C, thread M10x1	30 260 80
Lube Shuttle® TG with hose RH-30C, thread R1/8"	30 250 90

Lube-Shuttle® TG Promo-Set

Lube-Shuttle® Promo-Set in display-carton, includes Lube-Shuttle® TG one-hand grease-gun, either with rigid tube E4024, nylon hose or high pressure safety rubber hose, each with 4-jaw hydraulic safety coupler, and two Lube-Shuttle® cartridges MULTI basic 2M

with rigid tube and 4-jaw hydraulic coupler

Lube-Shuttle® Promo-Set TG with rigid tube E4024, M10x1	30 116 42
Lube-Shuttle® Promo-Set TG with rigid tube E4024, R1/8"	30 116 59

with 300mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, and 4-jaw hydraulic coupler

Lube-Shuttle® Promo-Set TG with PH-30C, M10x1	30 117 03
Lube-Shuttle® Promo-Set TG with PH-30C, R1/8"	30 117 10

with 300mm safety rubber hose RH-30C, steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler

Lube-Shuttle® Promo-Set TG with RH-30C, M10x1	30 118 02
Lube-Shuttle® Promo-Set TG with RH-30C, R1/8"	30 118 19



For more information on our range of hoses, please refer to page 26



Lube-Shuttle® Lubrication Kit, Air Operated Grease Applicators and Dispenser

Description	Part No.
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Images and specifications can be subject to change without notice

Lube-Shuttle® Lubrication Kit

Kit includes:

Lube-Shuttle® System Side-Lever Grease-Gun with special connector, rigid tube E4024 with swivel nut for easy and safe screw-on to the grease gun, safety rubber hose RH-30C with 4-jaw hydraulic coupler, rigid tube with slide-on connector SK16 rigid tube for driveshaft F4020, each with snap-on coupling, conical and universal connector

All parts safely stored in carry-along case

Lube-Shuttle® lubrication kit 30 333 30

Lube-Shuttle® Grease Spray Unit LubeJet-eco

This air operated grease spray unit enables the spraying of grease directly from the Lube-Shuttle® system-cartridge without the need for propellants or chemical additives, such as solvents. Spraying grease on to chains, wire ropes, open gears, slideways, telescopic booms etc. offers enormous potential for cost savings. Eliminates wasteful consumption of grease in surface coating, offers wide range of applications.

Lube-Shuttle® grease spray unit LubeJet-eco 33 780 80

Spray Lances Set for Lube-Shuttle® LubeJet-eco

Spray lances set for LubeJet-eco with safety quick-coupler incl. three straight spraying lances 500/750 and 1200 mm and one bent lance 170/55 mm. Lances are made of stainless steel (1.4301) 8mm

Spray lances Set for Lube-Shuttle® LubeJet-eco 33 782 95

Lube-Shuttle® Air Operated Grease Gun DF-LS

One-hand air operated grease gun for Lube-Shuttle® cartridges, designed for grease up to NLGI class 3, single shot system, output approx. 1 ccm per stroke, pressure ratio 1:60, max. pressure 480 bar (6.950 psi), air pressure 3 to 8 bar

Lube-Shuttle® DF-LS with rigid tube E4024, M10x1 30 371 16

Lube-Shuttle® DF-LS with rigid tube E4024, R1/8" 30 371 09

Lube-Shuttle® DF-LS with hose RH-30C, M10x1 30 373 14

Lube-Shuttle® DF-LS with hose RH-30C, R1/8" 30 373 07

Lube-Shuttle® Dispenser Lube-Shot 400

Designed to apply grease to all open surfaces, such as uncaged roller bearings. The dispenser will replace traditional, messy methods of application with open cartridges and brushes. The use of this dispenser will permit clean and uncontaminated greasing of open bearings. Lube-Shot 400 with nozzle, screw cap and an adaptor nozzle for the Lube-Shuttle® system-cartridge.

Lube-Shuttle® dispenser Lube-Shot 400 30 001 10

Nozzle-Set Lube-Shot 400

Nozzle with closure cap for the Lube-Shuttle® system cartridge

Nozzle-Set Lube-Shot 400 30 009 05



Cartridges Empty, Accessories and Filling Units for Lube-Shuttle® System-Cartridges

Description	Part No.
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Images and specifications can be subject to change without notice

Lube-Shuttle® Cartridges Empty

Empty Lube-Shuttle® cartridges
follower plate inserted and screw cap separated

MATO recommends empty cartridges of NMBP, France:
www.mbp-plastics.com



Customized printing on empty cartridges available upon request

Lube-Shuttle® cartridges, empty 31 198 05

Lube-Shuttle® Cartridge Screw Caps

24 screw caps, packed in poly bag,
replacements, or for sealing cartridges after filling

Lube-Shuttle® cartridge screw caps 31 100 00

Lube-Shuttle® Cartridge Adaptor

Lube-Shuttle® cartridge adaptor,
easy method to adapt Lube-Shuttle® cartridges to
different thread sizes in third party grease guns

Lube-Shuttle® cartridge adaptor (Fuchs/KAJO to 1" Lube-Shuttle) 31 090 04

Lube-Shuttle® cartridges adaptor (Lincoln/SKF to 1" Lube-Shuttle) 31 091 03

Lube-Shuttle® Refill-Adaptor Set

Lube-Shuttle cartridge refill adaptor for use
with manual grease pail pump (i.e. MATO ecoFILL).

Simple, economic and clean refilling of empty cartridges.

Refill-Adaptor set Lube-Shuttle® 31 150 50

Pneumatic Filler Pump pneuMATO-fill

Filler pump with high output for clean and quick filling of
Lube-Shuttle® cartridges (using refill-adaptor part no. 31 150 50)
or filling standard grease guns with filling nipple.

(without Refill-Adaptor-Set)

pneuMATO-fill-10-d for 10 kg pails, inner-Ø 215-230 mm 33 710 50

pneuMATO-fill-15-d for 15 kg pails, inner-Ø 255-282 mm 33 715 48

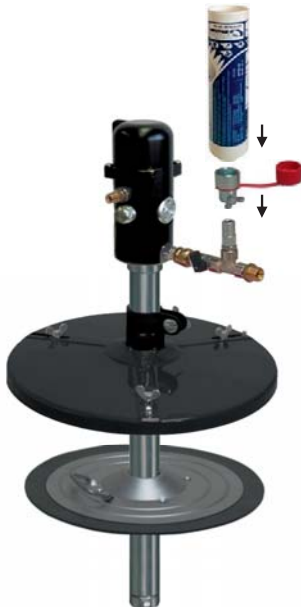
pneuMATO-fill-20-d for 18/20 kg pails, inner-Ø 265-285 mm* 33 720 88

pneuMATO-fill-20-d for 18/20 kg pails, inner-Ø 285-305 mm 33 720 64

pneuMATO-fill-25-d for 25 kg pails, inner-Ø 300-335 mm 33 725 76

pneuMATO-fill-50-d for 50 kg pails, inner-Ø 355-387 mm 33 750 65

pneuMATO-fill-200-d for 200 kg drums, inner-Ø 550-590 mm 33 700 60



Lube-Shuttle® System-Cartridges

Description	Part No.
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Images and specifications can be subject to change without notice

Lube-Shuttle® Booster-Pack MULTI basic 2M

Lithium multi-purpose grease , mineral oil base, for universal application.Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion.

Basic data:

Base viscosity: 110 mm² / s (40°C)
Temperature range: -30 to +120°C (short term to +130°C)
According to DIN 51502: K2K-30 NLGI Class : 2
Offers good corrosion protection, resistance to oxidation, high mechanical stability and high pressure capabilities.



Grease cartridges 400 g Lube-Shuttle® MULTI basic 2M 31 200 23



Lube-Shuttle® Booster-Pack MULTI PLUS EP-2M

Lithium multi-purpose grease, mineral oil base, with Extreme Pressure additives. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion. Compared to MULTI basic, has a higher mechanical stability.

Basic data:

Base viscosity: 200 mm² / s (40°C)
Temperature range: -30 to +120°C (short term to +130°C)
According to DIN 51502: KP2K-30 NLGI Class: 2
Offers good corrosion protection, resistance to oxidation, very high mechanical stability and high pressure capabilities.



Grease cartridges 400 g Lube-Shuttle® MULTI PLUS EP-2M 31 200 30



Lube-Shuttle® Booster-Pack GRAPHITE 2M GR

Graphite multi-purpose grease with Lithium soap, mineral oil base with extreme pressure and anti-wear additives. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion.

Basic data:

Base viscosity: 110 mm² / s (40°C)
Temperature range: -30 to +130°C (short term to +150°C)
According to DIN 51502: KPF2K-30 NLGI Class: 2
Good corrosion and oxidation protection properties, high mechanical stability, excellent high pressure characteristics.



Grease cartridges 400 g Lube-Shuttle® GRAPHITE 2M GR 31 200 92



Lube-Shuttle® Booster-Pack HIGH TEMP EP-2L HT

Lithium complex high temperature grease, mineral oil base with extreme pressure and anti-wear additives. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion. Good corrosion and oxidation protection properties, outstanding mechanical stability, good high pressure characteristics.

Basic data:

Base viscosity: 215 mm² / s (40°C)
Temperature range: -30 to +140°C (short term to +220°C)
According to DIN 51502: KP2-3N-30 NLGI Class: 2-3



Grease cartridges 400 g Lube-Shuttle® HIGH TEMP EP-2L HAT 31 201 22



Lube-Shuttle® Booster-Pack PROTECT EP-2L WR

Semi-synthetic Calcium base grease with extreme pressure and anti-wear additives,anti-oxidants and corrosion inhibitors. This grease, of the highest quality, combines excellent water resistance and a high adhesion factor.

Basic data:

Base viscosity: 1370 mm² / s (40°C)
Temperature range: -30 to +120°C (short term to +130°C)
According to DIN 51502: KP2K-30 NLGI Class: 2
Excellent water resistance and adhesion properties, extr. pressure, excellent corrosion protection and outstanding mechanical stability.



Grease cartridges 400 g Lube-Shuttle® PROTECT EP-2L WR 31 201 60



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Side Lever Grease Guns

Description	Part No.
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Images and specifications can be subject to change without notice

MATO All Steel Grease Gun E503

Business class model, according to DIN 1283, short stroke action, metered delivery, permanent spring load system.
Working pressure more than 400 bar (5.800 psi), max. pressure capability approx. 800 bar (11.600 psi), suits for 400 g cartridges or 500 g bulk fill.
packed in poly bag
TÜV, DLG, BLT approved



E503 without accessories, thread M10x1	30 520 03
E503 without accessories, thread R1/8"	30 510 06
E503 with rigid tube E4024, thread M10x1	30 521 02
E503 with rigid tube E4024, thread R1/8"	30 511 05
E503 with 300 mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1.000 bar (14.450 psi), Ø - 9 mm, with 4-jaw hydraulic coupler	
E503 with hose PH-30C, thread M10x1	30 522 01
E503 with hose PH-30C, thread R1/8"	30 512 04
E503 with 300 mm with safety rubber hose RH-30C, steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø - 13 mm, with 4-jaw hydraulic coupler	
E503 with hose RH-30C, thread M10x1	30 523 00
E503 with hose RH-30C, thread R1/8"	30 513 03



For more information on our range of hoses, please see page 26



MATO All Steel Grease Gun E500

First-class model, according to DIN 1283, short stroke action, metered delivery, permanent spring load system, combined filler nipple / air venting valve, ergonomic hand grip.
Working pressure more than 400 bar (5.800 psi), max. pressure capability approx. 800 bar (11.600 psi), suits for 400 g cartridges or 500 g bulk fill,
packed in environmentally friendly display carton with user instructions and safety advise. TÜV, DLG, BLT approved



E500 without accessories, thread M10x1	30 420 04
E500 without accessories, thread R1/8"	30 410 07
E500 with steel tube E4024, thread M10x1	30 421 03
E500 with steel tube E4024, thread R1/8"	30 411 06
E500 with 300 mm high pessure nylon hose PH-30C, multiple braid, burst pressure 1.000 bar (14.450 psi), Ø - 9 mm, with 4-jaw hydraulic coupler	
E500 with hose PH-30C, thread M10x1	30 422 02
E500 with hose PH-30C, thread R1/8"	30 412 05
E500 with 300mm safety rubber hose RH-30C, steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler	
E500 with hose RH-30C, thread M10x1	30 423 01
E500 with hose RH-30C, thread R1/8"	30 413 04



For more information on our range of hoses, please see page 26



MATO All Steel Grease Gun E600



First-class model, short stroke action, metered delivery, permanent spring load system, combined filler nipple/air venting valve, ergonomic hand grip,
for 500 g cartridges or 600 g bulk fill, packed in plain carton
E600M without accessories, thread M10 x 1
E600R without accessories, thread R1/8"

MATO Grease Gun with Pressure Gauge

see model E503, thread R1/8", short stroke action, metered delivery and permanent spring load system, additionally equipped with pressure gauge (0-400 bar / 0-5.800 psi) and hand-grip
MATO grease gun with pressure gauge, without accessories



Lubrication Kit, Oil Guns and One-Hand Guns

Description	Images and specifications can be subject to change without notice			Part No.
MATO Lubrication Kit E480				
Grease gun E500, universal adaptor, steel tube E4024 and extra safe rubber hose, supplied with 4-jaw hydraulic coupler, rigid tube for driveshaft F4020, each with snap-on coupling, rigid tube with slide-on connector, conical and universal connector. Supplied in carry-along case.				
Lubrication Kit E480				30 330 40
MATO All Steel Grease gun E500 with bracket				
Grease Gun E500, zinc plated, with bracket for wall/surface mounting, side lever retraction by spring, unit packed in individual poly bag				
MATO All Steel Grease gun E500 with bracket				30 425 09
Oil and Fluid Grease Gun E476				
Equipped with special air release valve, piston designed for oil, 500 cc capacity, short stroke action, packed in carton.				
4-jaw hydraulic connector features a backlash valve.				
E476M without accessories, thread M10x1				30 700 52
E476R without accessories, thread R1/8"				30 700 76
E476M with rigid tube E4024, thread M10x1				30 701 20
E476R with rigid tube E4024, thread R1/8"				30 701 44
E476M with hose RH-30C, thread M10x1				30 702 36
E476R with hose RH-30C, thread R1/8"				30 702 50
Suction and Filling Gun S400/1				
Suction and filling gun with double inner piston and flexible plastic suction hose (300 mm)				
S400/1				34 600 82
Double Action Filling Gun SFP 500				
Double action hand gun for fuel oil, mineral, synthetic and food safe oils, anti-freeze and coolants, petroleum etc., with suction and filling hose (500 mm)				
Double action filling gun SFP 500				34 600 20
Lever Gun for Concrete Restoration				
Lever gun based on our all steel grease gun with sealed container, 600 ccm, thread M10x1. Effortless compression of epoxy and PU resins, into i.e. cracks, with injection packer, achieves high pressure level				
Lever gun for concrete restoration				30 620 64
One Hand Grease Gun TG120				
Robust one-hand gun for grease up to NLGI 2, with combined filler nipple/air venting valve, rigid tube (can be fitted horizontally or vertically) and 4-jaw hydraulic connector R1/8", capacity 130 cc, maximum pressure up to 200 bar /2,900 psi. Can be filled from drum/bucket with filler pump or by suction from grease pails.				
TG120 with rigid tube and 4-jaw hydraulic connector	32 120 70	28,40	25,80	



One-Hand Guns, Air Operated Grease Gun and Grease Cartridges

Description	Images and specifications can be subject to change without notice	Part No.
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One-Hand Grease Gun Kit TG-500

suits 400 g cartridges or 500 g bulk fill, equipped with combined air release/filling valve (for use with pail mounted filler pumps), pressure capability approx. 300 bar, zinc plated, packed in environmentally friendly display carton with user instructions and safety advise. New ergonomically engineered heavy-duty design, delivery rigid tube can be fitted either horizontally or vertically, thereby ensuring optimal access to even difficult to reach lubrication spots.

TG-500-S with rigid tube, thread M10x1	32 101 06
TG-500-S with rigid tube, thread R1/8"	32 101 20
with 300 mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1,000 bar / 14,450 psi, Ø - 9 mm, with 4-jaw hydraulic coupler	
TG-500-F-with hose PH-30C, thread M10x1	32 103 04
TG-500-F with hose PH-30C, thread R1/8"	32 103 28
with 300 mm safety rubber hose RH-30C, steel wire braided, burst pressure 1,650 bar / 23,900 psi, Ø - 13 mm with 4-jaw hydraulic coupler	
TG 500-F with hose RH-30C, thread M10x1	32 102 05
TG 500-F with hose RH-30C, thread R1/8"	32 102 29

MATO-One Hand Air Operated Grease Gun DF

For use with standard grease cartridges 400 g, filler pump or bulk fill, for greases up to NLGI 2, DIN 51818.

Single shot system (1 ccm per stroke), pressure ratio 60:1, air pressure from 3 to max. 8 bar, maximum working pressure 480 bar (6.950 psi)

DF 500 with rigid tube E4024, thread M10x1	34 101 55
DF 500 with rigid tube E4024, thread R1/8"	34 100 01
DF 501 with safety rubber hose RH-30C, thread M10x1	34 101 79
DF 501 with safety rubber hose RH-30C, thread R1/8"	34 100 56

MATO-One Hand Air Operated Oil Gun DFO

Technical data see above, but with oil tight inner piston. Accessory-set includes hydraulic connector with backlash valve.

DFO 500 with rigid tube E4024, thread R 1/8"	34 101 00
DFO 501 with safety rubber hose RH-30C, thread R 1/8"	34 101 24

Pull-Off-Grease Cartridges 400g - DIN 1284

Pull-Off grease cartridges, according to DIN 1284
Diameter: max. 53,5 mm
Length: 235 mm

For specification of grease
Multi basic 2M, MULTI PLUS EP-2M und GRAPHITE 2M GR
please see page 10

MATO recommends empty cartridges of NMBP-France:
www.mbp-plastics.com



Pull-Off grease cartridges 400 g	MULTI basic 2M	K2K-30	31 000 18
Pull-Off grease cartridges 400 g	MULTI PLUS EP-2M	KP2K-30	31 001 24
Pull-Off grease cartridges 400 g	GRAPHITE 2M GR	KPF2K-30	31 002 09



For more information on our range of hoses please see page 26



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Grease guns suitable for 500g screw-cap cartridges

Description	Images and specifications can be subject to change without notice	Part No.
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Side-Lever Grease Gun LS 500

Side-lever grease gun for **500 g screw-neck cartridges**, high quality version **with painted all-steel pumphead** and cartridge protection tube, based on the vacuum principle of established grease-gun system Lube-Shuttle®. Ergonomic hand grip, packed in display-carton with user instructions and safety advise. Working pressure more than 400 bar (5.800 psi), maximum pressure capabillity 800 bar (11.600 psi)

MATO LS 500 achieves **higher pressure at less effort** in comparison to the two-lever grease guns on the market.

Advantages:

- Tool free cartridge opening with screw-cap, re-usable
- Fast and clean loading and unloading without opening gun
- Type and cartridge filling level visible at a glance
- Optimum use of all grease in cartridge
- Environmentally friendly
- Refillable using Lube-Shuttle filler pumps with re-fill adaptor (part no. 31 151 04)

without accessories

LS500 without accessories, thread M10x1	30 025 03
LS500 without accessories, thread R1/8"	30 015 51

with rigid tube and 4-jaw hydraulic coupler

LS500 with rigid tube E4024, thread M10x1	30 125 02
LS500 with rigid tube E4024, thread R1/8"	30 115 05

with 300mm high pressure nylon hose PH-30C,

multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, and 4-jaw hydraulic coupler

LS500 with hose PH-30C, thread M10x1	30 325 00
LS500 with hose PH-30C, thread R1/8"	30 315 03

with 300mm safety rubber hose RH-30C,

steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler

LS500 with hose RH-30C, thread M10x1	30 225 01
LS500 with hose RH-30C, thread R1/8"	30 215 04

One-Hand Gun TG-LS500

One-hand grease gun **for 500g screw-cap cartidges** equipped with cartridge-adapter TG-LS500, ergonomically designed pistol grip, (horizontal or vertical hose/pipe connection) packed in carton-box.

Pressure capability of approx. 300 bar (4.350 psi)

without accessories

TG-LS500 without accessories, thread M10x1	30 080 00
TG-LS500 without accessories, thread R1/8"	30 070 03

Lube Shuttle® TG with rigid tube

TG-LS500 with rigid tube, thread M10x11	30 100 10
TG-LS500 with rigid tube, thread R1/8"	30 090 07

with 300mm high pressure nylon hose PH-30C,

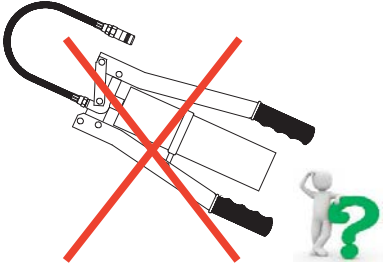
multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, with 4-jaw hydraulic coupler

TG-LS500 with hose PH-30C, thread M10x1	30 103 00
TG-LS500 with hose PH-30C, thread R1/8"	30 101 19

with 300mm safety rubber hose RH-30C,

steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, with 4-jaw hydraulic coupler

TG-LS500 with hose RH-30C, thread M10x1	30 107 06
TG-LS500 with hose RH-30C, thread R1/8"	30 105 08



For more information on our range of hoses please see page 26



For more information on our range of hoses please see page 26



Accessories and Filling Units for 500g screw-cap cartridges

Description	Images and specifications can be subject to change without notice	Part No.
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LS500 Refill-Adapter Set

LS500 cartridge refill adaptor for use with
MATO ecoFILL and pneuMATO-fill pail/drum mounted filler pumps.

Simple and clean refilling of empty 500 g srew-top cartridges !



Refill-Adapter LS500 31 151 04

Cartridge Adapter TG-LS500

Cartridge adapter serves to make the 400g Lube-Shuttle® versions
of one-hand grease gun TG-LS suitable for
the 500 g screw-cap cartridges



Cartridge Adapter TG-LS500 31 093 01

Cartridge Adapter for Accu-Greaser 18 V

Cartridge adapter serves to make the 400g Lube-Shuttle® versions
of Accu-Greaser 18 V suitable for
the 500 g screw-cap cartridges



Cartridge Adaptor for Accu-Greaser 18V 31 094 00

500 g screw-cap cartridges MULTI basic 2M

Lithium multi-purpose grease , mineral oil base, for universal
application.Includes anti-oxidants and corrosion inhibitors as well as
polymers to improve adhesion.

Basic data:

Base viscosity: 110 mm² / s (40°C)
Temperature range: -30 to +120°C (short term to +130°C)
According to DIN 51502: K2K-30 NLGI Class : 2
Offers good corrosion protection, resistance to oxidation,
high mechanical stability and high pressure capabilities.



500 g screw cap cartridges MULTI basic 2M 31 010 15

mato



Battery Operated Grease-Gun 18V Li-Ion Standard-Line

Description	Part No.
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Images and specifications can be subject to change without notice

Accu-Greaser 18 V Standard-S

Battery operated grease-gun 18V Li-Ion, suitable for 400 g pull-off cartridge, according to DIN 1284, item features:

- LCD battery level display and LED overload indicator
- **Li-Ion battery 18V - 1500mAh**
- **standard wide range input charger (100 -240 V/ 50-60 Hz),** overload protected (charging time approx. 60 min.)
- max. delivery 115 ccm per min.
- grease barrel for 400 g pull-off cartridges or 500 ccm bulk grease
- filling-/ and air venting nipple
- high-pressure safety rubber-hose (1.650 bar b.p.), length 750 mm, incl. 4-jaw hydraulic safety-coupler R1/8"
- carry-along case with space for spare battery and spare cartridge

Accu-Greaser 18 V Standard-S 34 276 03

Accu-Greaser 18 V Standard-LS

Battery operated grease-gun 18V Li-Ion, suitable for 400 g Lube-Shuttle® cartridge, for item description please see above. Version comes with cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple (vacuum principle)

Accu-Greaser 18 V Standard-LS 34 277 02

Accu-Greaser 18 V Standard-SP

Battery operated grease-gun 18V Li-Ion, suitable for LS 500 style screw-neck cartridges, for item description please see above. Version with protection tube for 500 g screw-neck cartridges and plug instead of filling-/ air venting nipple (vacuum principle).

Accu-Greaser 18 V Standard-SP 34 278 01

Accu-Greaser 18 V Standard-S-LS

Battery operated grease-gun 18V Li-Ion, suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Standard-S-LS 34 279 00

Accu-Greaser 18 V Standard-S-LSP

Battery operated grease-gun 18V Li-Ion, suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges AND - 500 g screw-neck cartridges (LS 500), for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge, AND adaptor for LS 500 style cartridge, and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Standard-S-LSP 34 280 13

Standard-Line

- 18 V Li-Ion Accu 1500 mAh

- Standard-charger 100-240V AC



Battery Operated Grease-Gun 18V Li-Ion Premium-Line

Description	Part No.
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Images and specifications can be subject to change without notice

Accu-Greaser 18 V Premium-S

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g pull-off cartridges**, according to DIN 1284, item features:

- LCD battery level and LED overload indicator
- **Li-Ion battery 18V - 1500mAh**
- **multi purpose wide range input charger (12 -240 V/ 50-60 Hz)**, overload protected (charging time approx. 100% in 40 min. / 80% in 20 min.)
- max. delivery 115 ccm per min.
- grease barrel for 400 g pull-off cartridges or 500 ccm bulk grease
- filling-/ and air venting nipple
- high pressure safety rubber-hose (1.650 bar b.p.), lenght 750 mm incl. 4-jaw hydraulic safety-coupler R1/8"
- carry-along case with space for spare battery and spare cartridge

Accu-Greaser 18 V Premium-S 34 276 34

Accu-Greaser 18 V Premium-LS

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g Lube-Shuttle® cartridge**, for item description please see above. Version comes with cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple (vacuum principle)

Accu-Greaser 18 V Premium-LS 34 277 33

Accu-Greaser 18 V Premium-SP

Battery operated grease-gun 18V Li-Ion, **suitable for LS 500 style screw-neck cartridges**, for item description please see above. Version with protection tube for 500 g screw-neck cartridges and plug instead of filling-/ air venting nipple (vacuum principle).

Accu-Greaser 18 V Premium-SP 34 278 32

Accu-Greaser 18 V Premium-S-LS

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Premium-S-LS 34 279 31

Accu-Greaser 18 V Premium-S-LSP

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges AND - 500 g screw-neck cartridges (LS 500)**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge, AND adaptor for LS 500 style cartridge, and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Premium-S-LSP 34 280 44

Premium-Line

- 18 V Li-Ion Accu 1500 mAh

- Multi-charger 12-240 V



Battery Operated Grease-Gun 18V Professional-Line

Description	Part No.
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Accu-Greaser 18 V Professional-S

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g pull-off cartridges**, according to DIN 1284, item features:

- LCD battery level and LED overload indicator
- **Li-Ion battery 18V - 4000 mAh**
- **multi purpose wide range input charger (12 -240 V/ 50-60 Hz)**, overload protected (charging time approx. 100% in 100 min. / 80% in 50 min.)
- max. delivery 115 ccm per min.
- **12-24 V cord for vehicle power supply, shoulder strap**
- grease barrel for 400 g pull-off cartridges or 500 ccm bulk grease
- filling-/ and air venting nipple
- high pressure safety rubber-hose (1.650 bar b.p.), lenght 750 mm incl. 4-jaw hydraulic safety-coupler R1/8"
- carry-along case with space for spare battery and spare cartridge

Accu-Greaser 18 V Professional-S 34 276 65

Accu-Greaser 18 V Professional-LS

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g Lube-Shuttle® cartridge**, for item description please see above. Version comes with cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple (vacuum principle)

Accu-Greaser 18 V Professional-LS 34 277 64

Accu-Greaser 18 V Professional-SP

Battery operated grease-gun 18V Li-Ion, **suitable for LS 500 style screw-neck cartridges**, for item description please see above. Version with protection tube for 500 g screw-neck cartridges and plug instead of filling-/ air venting nipple (vacuum principle).

Accu-Greaser 18 V Professional-SP 34 278 63

Accu-Greaser 18 V Professional-S-LS

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Professional-S-LS 34 279 62

Accu-Greaser 18 V Professional-S-LSP

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges AND - 500 g screw-neck cartridges (LS 500)**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge, AND adaptor for LS 500 style cartridge, and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Professional-S-LSP 34 280 75

Professional-Line

- 18 V Li-Ion Accu 4000 mAh

- Multi-charger 12-240 V



Accessories for Battery Operated Grease-Gun 18 V Li-Ion

Description	Part No.
Images and specifications can be subject to change without notice	
Battery 1500 mAh for Accu-Greaser 18 V	
High power Li-Ion-Battery 18 V DC / 1.500 mAh , Charging time standard-charger: 1,0 h approx. Charging time multi-charger: 0,5 h approx.	
Battery Li-Ion 1500 mAh for Accu-Greaser 18 V	34 289 07
Battery 4000 mAh for Accu-Greaser 18 V	
High power Li-Ion battery 18 V DC / 4.000 mAh , Charging time standard-charger: 2,5 h approx. Charging time multi-charger: 1,25 h approx.	
Battery Li-Ion 4000 mAh for Accu-Greaser 18 V	34 290 10
Standard charger 100-240 V for Accu-Greaser 18V	
Battery charger with overload protection for Accu-Greaser 18V 100-240 V AC, On/Off-LED monitoring bulb, cable 1,8 m with EU flat-plug	
Standard charger 100-240 V for Accu-Greaser 18V	34 288 08
Multi-Charger 12-240 V for Accu-Greaser 18V	
Battery charger with overload protection for Accu-Greaser 18V, input range 12-240 V, features 3 LED monitoring bulbs to indicate charging status, 2 m cable for mains connection with 2-pin EU flat-plug. Item is equipped with additional port for 12/24 V supply cable for mobile charging from vehicle power supply.	
12/24V cable separately available.	
Multi-Charger 12-240 V for Accu-Greaser 18V	34 288 60
12/24 V cable for multi-charger	
12/24 V cable for Multi-Charger Accu-Greaser 18V incl. plug for 12V socket.	
12/24 V cable for Multi-Charger	34 299 04
High Pressure Rubber Hose for Accu-Greaserr 18 V	
High pressure safety hose ø 13mm, burst pressure 1,650 bar (double steel wire braided)	
RH-75 750mm thread R 1/8", without coupler	32 585 80
RH-75C 750mm thread R 1/8", with coupler	32 589 48
Lance with Lubricating Brush	
The lance assembly includes a lubricating brush, a high- pressure handle and a z-swivel joint. It comes with separate 400/800 mm pipe segments that can be bolted by a hex-nut. The unit can directly be tied to the 750 mm high-pressure Accu-Greaser rubber hose. The lance is equipped with a PA6 nylon brush (R1/8"), with a Ø 25 mm brush, to lubricate surfaces like open gears, chains, linear and glide rails, train-tracks, etc.	
For spare brush see page 54	
Lance with Lubricating Brush and Handle	33 795 37
Shoulder Strap for Accu-Greaser 18 V	
Simple, fast and secure shoulder strap ensuring easy and comfortable operation of the battery driven grease gun	
Carrying Strap for Accu-Greaser 18 V	34 259 99



mato



Grease Gun Couplers

Description	Images and specifications can be subject to change without notice	Part No.
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Hydraulic Safety-Coupler safeLOCK

Hydraulic safety-coupler safeLOCK

- with hardened 4-jaws made of tool steel
- with high-performance hydraulic-gasket
- with integrated linear-swivel
- uncoupling at more than 600 bar is possible
- no spurt / mess when uncoupling
- outer diameter according to DIN 1283

Hydraulic safety-coupler safeLOCK M10x1

Hydraulic safety-coupler safeLOCK R1/8"



32 455 04

32 456 03

Hydraulic safety-coupler safeLOCK M10x1

Hydraulic safety-coupler safeLOCK R1/8"



32 455 11

32 456 10

Hydraulic Safety-Coupler safeLOCK-L

safeLOCK - L for grease fittings with difficult access,
technical data as above, but with a shaft lenght of 81 mm

Hydraulic Safety-Coupler safeLOCK-L M10x1

Hydraulic Safety-Coupler safeLOCK-L R1/8"



32 457 02

32 458 01

MATO 4-Jaw Hydraulic Coupler

Heavy duty quality coupler, DIN 1283, for grease fittings
DIN 71412, with machined and hardened jaws for optimal
sealing and long lifetime, hexagon 15 mm

4-jaw hydraulic coupler, M10 x 1

4-jaw hydraulic coupler, R1/8"



32 438 07

32 438 21

4-jaw hydraulic coupler, M10 x 1

4-jaw hydraulic coupler, R1/8"



32 438 14

32 438 38

4-jaw hydraulic coupler, M10 x 1

4-jaw hydraulic coupler, R1/8"



32 438 45

32 438 52

MATO 4-Jaw Hydraulic Coupler

with backlash Valve

High quality hydraulic coupler, DIN 1283, for use with grease
fittings DIN 71412. Machined and hardened jaws for optimum
leak proof operation, hexagon 15mm. **Integral backlash valve**
permits high pressure performance, even with soft greases and
oils of lower viscosity.

4-jaw hydraulic coupler with backlash valve, M10x1

4-jaw hydraulic coupler with backlash valve, R1/8"

32 440 02

32 440 40

MATO Hook-on Couplers f. Button Head Fittings

Hook-on coupler SK-10M10 (M10 x 1 / 10 mm)

Hook-on coupler SK-10R8 (R1/8" / 10 mm)

32 410 01

32 410 25

Hook-on coupler SK-16M10 (M10 x 1 / 16 mm)

Hook-on coupler SK-16R8 (R1/8" / 16 mm)

32 416 05

32 416 29

Hook-on coupler SK-22M10 (M10 x 1 / 22 mm)

Hook-on coupler SK-22R8 (R1/8" / 22 mm)

32 422 06

32 422 20

MATO Grease Gun Couplers

Conical coupler for D-Grease fittings, M10 x 1

Conical couplers for D-Grease fittings, R1/8"

32 400 42

32 400 28

Pointed coupler, M10x1, 2-part

Pointed coupler, R1/8", 2-part

e.g. for

Chainsaws

32 400 80

32 400 66

Universal coupler for K+H Grease fittings, M10 x 1

Universal coupler for K+H Grease fittings, R 1/8"

32 401 41

32 401 03

safeLOCK



Delivery Tubes and Injectors

Description	Part No.
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Images and specifications can be subject to change without notice

Delivery Tubes with Snap-on Coupling

For safe connection of a grease applicator
to our hydraulic safety-coupler safeLOCK or
to a 4-jaw hydraulic connector
by grease connector and sliding connector

Delivery tube with snap-on coupling F12 with universal connector	32 405 30
Delivery tube with snap-on coupling F14 with universal connector	32 405 54
Delivery tube with snap-on coupling F17 with hook-on connector SK 10	32 405 61
Delivery tube with snap-on coupling F15 with hook-on connector SK 16	32 405 78
Delivery tube with snap-on coupling F16 with hook-on connector SK 22	32 405 85
Delivery tube with snap-on coupling for driveshafts, tube Ø 8 mm	32 405 92

Lube Injector

For injection of oil or grease
e.g. into bearings or oil seals

For coupling to our hydraulic safety-coupler safeLOCK or
our MATO 4-jaw hydraulic connector

Lube Injector-S with grease fitting	32 408 20
Lube Injector-D with snap-on coupling	32 408 44

E4014 Angled Delivery Tube 150 mm

with universal connector

Delivery tube with universal connector, thread M10 x 1	32 404 48
Delivery tube with universal connector, thread R1/8"	32 404 24

E4012 Angled Delivery Tube 150 mm

with universal connector

Delivery tube with universal connector, thread M10 x 1	32 403 49
Delivery tube with universal connector, thread R1/8"	32 403 25

E4024 Angled Delivery Tube 150 mm

with 4-jaw hydraulic connector

Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 402 02
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 402 19

Angled Delivery Tube 150 mm

with non-return valve

Item prevents leakage of oil and grease with low viscosity

Delivery tube with 4-jaw hydraulic connector, thread M10x1	32 402 64
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 402 71

Delivery Tube Straight 150 mm

with 4-jaw hydraulic connector

Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 406 46
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 406 53



High Pressure Hoses

Description	Part No.
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Images and specifications can be subject to change without notice

MATO High Pressure Nylon Hoses

Multiple braid, h.p. nylon hose ø 9 mm, burst pressure 1.000 bar (14.450 psi), hex. end fittings for safe connection to grease gun
burst pressure 1.000 bar

PH-30	300 mm	thread M10 x 1	DIN 1283	32 530 04
PH-30	300 mm	thread R1/8"		32 530 11
PH-50	500 mm	thread M10 x 1	DIN 1283	32 550 08
PH-50	500 mm	thread R1/8"		32 550 15

MATO High Pressure Nylon Hoses with 4-jaw hydraulic connector

Nylon hose as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).

PH-30C	300 mm	thread M10 x 1	DIN 1283	32 540 01
PH-30C	300 mm	thread R1/8"		32 540 18
PH-50C	500 mm	thread M10 x 1	DIN 1283	32 552 06
PH-50C	500 mm	thread R1/8"		32 552 13

MATO High Pressure Rubber Hoses

High pressure safety rubber hose ø 13 mm, burst pressure 1.650 bar (23.900 psi), steel wire reinforced, hexagonal end fittings for safe connection to grease gun

RH-30	300 mm	thread M10 x 1	DIN 1283	32 560 05
RH-30	300 mm	thread R1/8"		32 560 12
RH-50	500 mm	thread M10 x 1	DIN 1283	32 570 02
RH-50	500 mm	thread R1/8"		32 570 19
RH-100	1 m	thread M10 x 1	DIN 1283	32 588 70
RH-100	1 m	thread R1/8"		32 589 00

MATO High Pressure Rubber Hoses with 4-jaw hydraulic coupler

High pressure rubber hose ø 13 mm as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).

RH-30C	300 mm	thread M10x1	DIN 1283	32 562 03
RH-30C	300 mm	thread R1/8"		32 562 10
RH-50C	500 mm	thread M10x1	DIN 1283	32 580 09
RH-50C	500 mm	thread R1/8"		32 580 16
RH-100C	1 m	thread M10x1	DIN 1283	32 590 20
RH-100C	1 m	thread R1/8"		32 590 44

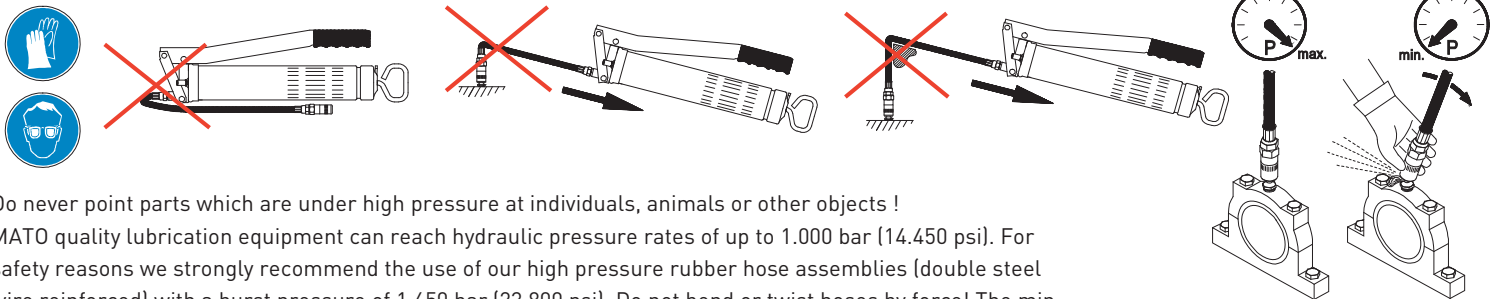
MATO High Pressure Rubber Hoses 300 mm with hook-on coupler for button head fittings

RH-30SK16	300 mm with hook-on coupler, SK-16	M10x1	32 566 78
RH-30SK16	300 mm with hook-on coupler, SK-16	R1/8"	32 566 92

MATO High Pressure Rubber Hose 300 mm with snap-on coupler and 4-jaw hydr. coupler

RH-30C with 4-jaw hydraulic coupler	32 540 49
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Important Safety Advice:



Do never point parts which are under high pressure at individuals, animals or other objects !
MATO quality lubrication equipment can reach hydraulic pressure rates of up to 1.000 bar (14.450 psi). For safety reasons we strongly recommend the use of our high pressure rubber hose assemblies (double steel wire reinforced) with a burst pressure of 1.650 bar (23.800 psi). Do not bend or twist hoses by force! The min. bend radius is 50 mm. Prior to use, check hoses carefully for traces of wear or leakage and replace items in case they appear damaged. Both nylon and rubber hoses are subject to the effects of ageing, replace hoses after a period of three years. Do never use pliers or pipe grips in the area of the end fitting, use spanners or wrenches of the correct size on the hexagonal end fittings only.

General advice: Use original MATO accessories to avoid unnecessary risks or injuries !



Lubrication Accessories

Description	Images and specifications can be subject to change without notice	Part No.
MATO Swivel Joint		
Straight swivel, thread M10 x 1		32 425 10
Straight swivel, thread R1/8"		32 425 34
Angled Adaptor eco		
for 4-jaw hydraulic coupler		
For simple and secure conversion of direction of a 4-jaw hydraulic coupler to a 90 degree angle.		
Lubricate even in confined spaces.		
Angled adaptor eco, thread M10x1		32 450 09
Angled adaptor eco, thread R1/8"		32 450 30
Angled Adaptor deluxe with Straight Swivel		
for 4-jaw hydraulic coupler		
The straight swivel always warrants the correct working position of the 4-jaw hydraulic coupler.		
Angled adaptor deluxe, thread M10x1		32 451 08
Angled adaptor deluxe, thread R1/8"		32 451 46
MATO Filler Nipple / Air Venting Valve		
MATO - combined filler nipple / air venting valve and plug screw for side lever and one handgrease guns, Accu-Greaser and one-hand air operated grease gun		
MATO combined filler nipple/air venting valve ø 9mm DIN 1283		30 990 60
MATO conical filler nipple (Suisse type)		30 991 07
MATO giant filler nipple, ø 15 mm		30 992 06
Plug screw M10x1		30 991 21
Pressure Relief Valve for Grease Guns		
Ideal for use in confined spaces where disconnection of the grease gun coupler is difficult. After the relief valve is opened and the pressure is reduced, the 4-jaw hydraulic coupler can be detached from the grease fitting with ease		
- safe method of disconnection from the grease fitting		
- extended lifetime for the 4-jaw hydraulic coupler		
Pressure relief valve, thread M10x1		32 453 20
Pressure relief valve, thread R1/8"		32 453 44
Flow Indicator for Grease Guns		
For easy, safe and reliable monitoring of the grease flow.		
An internal magnet, driven forward by the grease flow, moves a steel indicator-ball to show grease movement.		
Please note the flow direction!		
Flow indicator for grease guns, thread M10x1		35 416 68
Flow indicator for grease guns, thread R1/8"		35 416 82
MATO Spring for one hand grease gun		
Spring for one-hand grease guns TG 500, TG Lube-Shuttle® and LS-TG 500		
Spring for TG500 und TG Lube-Shuttle®		30 920 16
Fixing Clip for Grease Guns		
Fixing clip for grease guns and other devices with a tube of 56 mm dia.		
Suitable for universal attachment to the workplace.		
Fixing Clip for Grease Guns		32 460 75
Fixing Clip for Grease Guns with Magnetic Bracket		
Fixing clip for grease guns with magnetic bracket (permanent magnet) for grease guns and other devices with a tube diameter of 56 mm.		
Suitable for universal attachment on magnetic surfaces		
Fixing Clip for Grease Guns with magnetic bracket		32 460 44



Push Type Guns for Grease or Oil

Description	Images and specifications can be subject to change without notice	Part No.
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High Pressure Push Type Grease Guns

High pressure push type grease guns, compact size, supplied **with universal and conical couplers**, red protection cap.

PT 40C-2 black powder coated, **with telescopic tube**
PG 150-2 black powder coated, **with rigid tube**

	PT 40	PG 150
Capacity ccm:	40	150
Max. press. bar/psi:	100	150
ø approx. mm:	32	40
Length mm:	180/230	240
	260	250

High pressure push type gun PT 40C-2, 40 ccm, thread M10x1 **32 604 08**
High pressure push type gun PG 150-2, 150 ccm, thread M10x1 **32 615 66**

High Pressure Push Gun for Oil/Fluid Grease

Special push type gun for oil, petroleum, aerosols and oil containing additives, black powder coated with rigid tube and piston, pressure capability to 150 bar (2.200 psi).
Output 0.5 ccm per stroke with universal and conical coupler with yellow protection cap

Technical specification see PG 150-2

Push type gun PO 150-2 for oil, 150 ccm, M10x1 **32 615 80**

High Pressure Push Type Grease Guns

High pressure push type grease guns, compact size, supplied **with universal and conical coupler**, red protection cap **and telescopic tube**

	PT 80	PT 150	PT 300
Capacity ccm:	80	150	300
Max. press. bar/psi:	200	200	200
ø approx. mm:	37	37	47
Length mm:	150/220	220/350	260/430
Weight g:	290	420	605

Thread: M10x1
High pressure push type grease gun PT 80 -2, M10x1 **32 608 04**
High pressure push type grease gun PT 150 -2, M10x1 **32 615 04**
High pressure push type grease gun PT 300 -2, M10x1 **32 630 03**

Filler Unit for Push Type Grease Guns "PT"

Filler unit for series of push type guns "PT" (with telescopic tube) suitable for use with MATO grease filler pump "eco-FILL"

Filler unit for push type grease guns "PT" **32 650 07**



Push Type Grease Gun, Drip Feed Lubricator

Description	Part No.
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Images and specifications can be subject to change without notice

Push Type Grease Guns PT65 mm

Push-type grease gun PT 65, **with telescopic extension pipe**,
incl. 1 x 50 g grease bag, packed in plastic bag with headcard.

body made of synthetic material, diameter 31 mm,
black screw cap,
filling volume max. 65 ccm,
pressure ratio 50 bar,
yield per stroke approx. 0,5 ccm
max extension 210 – 300 mm
incl. M10 x 1 universal and pointed coupler with seal-cap



Push type grease gun PT65 plastic incl. 50 g grease bag **32 605 07**

Grease Bag 50 g MULTI basic 2M

Lithium multi- purpose grease , mineral oil base, for universal application. Includes anti-oxidants and corrosion inhibitors, and polymers to improve adhesion.

Basic data:

Base viscosity: 110 mm² / s (40°C)
Temperature range: -30 to +120°C (short term to +130°C)
According to DIN 51502: K2K-30 NLGI Class : 2



Offers good corrosion protection, resistance to oxidation,
high mechanical stability and high pressure capabilities.

Grease bag 50 g MULTI basic 2M **31 004 38**

Drip Feed Lubricator "Unikum"

Adjustable drip rate, with shut-off valve.
Reservoirs in plexiglas (types 1-6) and glass (types 7-9)

Replacement reservoirs available upon request



Size 1	1/4"	20 ccm, reservoir diameter	32 mm	32 700 18
Size 2	1/4"	38 ccm, reservoir diameter	40 mm	32 700 25
Size 3	3/8"	70 ccm, reservoir diameter	50 mm	32 700 32
Size 4	3/8"	125 ccm, reservoir diameter	60 mm	32 700 49
Size 5	1/2"	200 ccm, reservoir diameter	70 mm	32 700 56
Size 6	1/2"	315 ccm, reservoir diameter	80 mm	32 700 63
Size 7	3/4"	450 ccm, reservoir diameter	90 mm	32 700 70
Size 8	3/4"	750 ccm, reservoir diameter	100 mm	32 700 87
Size 9	3/4"	1000 ccm, reservoir diameter	120 mm	32 700 94

Lubrication Accessories in PoS-Design Retail Packaging

Description	Images and specifications can be subject to change without notice	Part No.
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MATO High Pressure Nylon Hoses

Multiple braid, h.p. nylon hose ø 9 mm, burst pressure 1.000 bar (14.450 psi), hex. end fittings for safe connection to grease gun
burst pressure 1.000 bar



PoS-design retail package with paper-headcard

PH-30 300 mm thread M10 x 1 DIN 1283	32 531 03
PH-30 300 mm thread R1/8"	32 531 27

MATO High Pressure Nylon Hoses

with 4-jaw hydraulic coupler

Nylon hose as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).



PH-30C 300 mm thread M10 x 1 DIN 1283	32 542 16
PH-30C 300 mm thread R1/8"	32 542 30

MATO High Pressure Rubber Hoses

High pressure safety rubber hose ø 13 mm,
burst pressure 1.650 bar (23.900 psi), steel wire reinforced,
hexagonal end fittings for safe connection to grease gun



PoS-design retail package with paper-headcard

RH-30 300 mm thread M10 x 1 DIN 1283	32 565 31
RH-30 300 mm thread R1/8"	32 565 48

MATO High Pressure Rubber Hoses

with 4-jaw hydraulic coupler

High pressure rubber hose ø 13 mm as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).



RH-30C 300 mm thread M10x1 DIN 1283	32 565 79
RH-30C 300 mm thread R1/8"	32 565 86

Grease Gun Accessories Set, 5 pcs.

- Includes:
- high pressure nylon hose PH-30,
 - safety rubber hose RH-30,
 - 4-jaw hydraulic coupler,
 - angled delivery tube 150 mm,
 - universal coupler for H- und K-Grease fittings,
 - pointed coupler for D-fittings

Grease gun accessories set with PH-30C, thread M10x1	32 600 40
Grease gun accessories set with PH-30C, thread R1/8"	32 600 64
Grease gun accessories set with RH-30C, thread M10x1	32 601 49
Grease gun accessories set with RH-30C, thread R1/8"	32 601 63

E4024 Angled Delivery Tube 150 mm

with 4-jaw hydraulic connector



PoS-design retail package with paper-headcard

Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 426 02
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 426 26

Delivery Tube, Straight 150 mm

with 4-jaw hydraulic connector



PoS-design retail package with paper-headcard

Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 427 01
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 427 25



Lubrication Accessories in PoS-Design Retail Packaging

Description	Images and specifications can be subject to change without notice	Part No.	EUR
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MATO 4-Jaw Hydraulic Coupler

Heavy duty quality coupler, DIN 1283, for grease fittings
DIN 71412, with machined and hardened jaws for optimal
sealing and long lifetime, hexagon 15 mm

PoS-design retail blister-pack



4-jaw hydraulic coupler-set, 2 pcs, M10 x 1	32 443 23
4-jaw hydraulic coupler-set, 2 pcs,, R1/8"	32 443 30

MATO Hook-on Couplers f. Button Head Fittings

Hook-on couplers made of steel with metallic seal
for maximum load and durability

PoS-design retail blister-pack



Hook-on coupler-set, 2 pcs, SK-10M10 (M10 x 1 / 10 mm)	32 410 18
Hook-on coupler-set, 2 pcs, SK-10R8 (R1/8" / 10 mm)	32 410 32
Hook-on coupler-set, 2 pcs, SK-16M10 (M10 x 1 / 16 mm)	32 416 12
Hook-on coupler-set, 2 pcs, SK-16R8 (R1/8" / 16 mm)	32 416 43

MATO Grease Gun Couplers

PoS-design retail blister-pack



Conical coupler-set, 2 pcs, for D-Grease fittings, M10 x 1	32 400 35
Conical couplers-set, 2 pcs, for D-Grease fittings, R1/8"	32 400 11
Pointed coupler-set, 2 pcs, M10x1	32 399 09
Pointed coupler-set, 2 pcs, R1/8"	32 399 23
Universal coupler-set, 2 pcs, for K+H Grease fittings, M10 x 1	32 398 00
Universal coupler-set, 2 pcs, for K+H Grease fittings, R 1/8"	32 398 24

MATO Grease Gun Coupler Set, 4 pcs

Grease Gun Coupler Set includes:

- 4-Jaw Hydraulic Coupler
- Conical coupler
- Pointed coupler
- Universal coupler

PoS-design retail blister-pack



Grease Gun Coupler Set, 4 pcs M10x1	32 448 04
Grease Gun Coupler Set, 4 pcs R1/8"	32 448 28

Grease Nipples in Blister Pack, Stainless Steel Grease Nipples

Description	Images and specifications can be subject to change without notice			Part No.
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Hydraulic Grease Nipples DIN 71412A	MPQ
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Quality steel, zinc plated, surface hardened, passivated, packed in sturdy blister pack.

H 1	M 6	AF 7	10	32 800 55
H 1	M 8 x 1	AF 9	10	32 800 93
H 1	M 8 x 1,25	AF 9	10	32 801 16
H 1	M 10 x 1	AF 11	10	32 801 30
H 1	M 10 x 1,5	AF 11	10	32 801 78
H 1	R 1/8"	AF 11	10	32 800 79
H 1	R 1/4"	AF 14	5	32 801 54

Hydraulic Grease Nipples DIN 71412B

H 2	M 6	AF 9	10	32 820 66
H 2	M 8 x 1	AF 9	10	32 820 80
H 2	M 8 x 1,25	AF 9	10	32 821 27
H 2	M 10 x 1	AF 11	10	32 821 58
H 2	M 10 x 1,5	AF 11	10	32 821 72
H 2	R 1/8"	AF 11	10	32 821 65
H 2	R 1/4"	AF 14	5	32 821 96

Hydraulic Grease Nipples DIN 71412C

H 3	M 6	AF 9	10	32 835 99
H 3	M 8 x 1	AF 9	10	32 839 33
H 3	M 8 x 1,25	AF 9	10	32 839 95
H 3	M 10 x 1	AF 11	10	32 830 32
H 3	M 10 x 1,5	AF 11	10	32 839 57
H 3	R 1/8"	AF 11	10	32 839 88
H 3	R 1/4"	AF 14	5	32 840 08

Button-Head Grease Nipple M DIN 3404

M 1	M 8 x 1	AF 17	head-Ø 16 mm	5	32 848 00
M 1	M 10 x 1	AF 17	head-Ø 16 mm	5	32 840 39
M 1	R 1/8"	AF 17	head-Ø 16 mm	5	32 848 86
M 1	R 1/4"	AF 17	head-Ø 16 mm	5	32 849 09
M 4	M 8 x 1	AF 11	head-Ø 10 mm	5	32 848 79
M 4	M 10 x 1	AF 11	head-Ø 10 mm	5	32 840 46

Plastic Covers for Grease Nipples

Plastic covers for grease nipples according to DIN 71412

Plastic covers red for grease nipples	100	32 861 25
Plastic covers yellow for grease nipples	100	32 861 01

Grease Nipple Selection MINI

Selection MINI contains 90 pcs. grease nipples, composed of:

- H1 20 x M6x1 / 20 x M8x1 / 20 x M10x1
H2 10 x M6x1 / 10 x M8x1 / 10 x M10x1

Grease nipple selection MINI	1	32 800 31
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Grease Nipple Selection MIDI

Selection MIDI contains 130 pcs. grease nipples, composed of:

- H1 10 x M6x1 / 20 x M8x1 / 20 x R1/8" / 20 x M10x1 / 5 x R1/4" / 10 x H1a 6mm / 10 x H1a 8mm
H2 2 x M8x1 / 5 x M10x1 / 5 x R1/8" / 5 x R1/4"
H3 3 x M8x1 / 5 x M10x1 / 5 x R1/8" / 5 x R1/4"

Grease nipple selection MIDI	1	32 800 00
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Grease Nipple Selection MAXI

Selection MAXI contains 440 pcs. grease nipples, composed of:

- H1 80 x M6x1 / 50 x M8x1 / 40 x M10x1 / 40 x R1/8" / 10 x R1/4"
H2 30 x M6x1 / 30 x M8x1 / 20 x M10x1 / 20 x R1/8" / 10 x R1/4
H3 25 x M6x1 / 25 x M8x1 / 20 x M10x1 / 20 x R1/8" / 10 x R1/4

M1 10 x M10x1		
Grease nipple selection MAXI	1	32 800 24

Hydraulic grease nipples, zinc plated and surface hardened



Stainless Steel Hydraulic Grease Nipples

Description	Images and specifications can be subject to change without notice		Part No.
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Stainless Steel Hydraulic Grease Nipples	MPQ
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DIN 71412A

In **small size** packaging
Material body: 1.4305 / AISI 303 / V2A

H 1	M 6	AF 7	20	32 817 00
H 1	M 8 x 1	AF 9	10	32 819 08
H 1	M 8 x 1,25	AF 9	10	32 819 46
H 1	M 10 x 1	AF11	10	32 812 05
H 1	R 1/8"	AF11	10	32 819 77
H 1	R 1/4"	AF14	5	32 814 96

Stainless Steel Hydraulic Grease Nipples

DIN 71412B

In **small size** packaging
Material body: 1.4305 / AISI 303 / V2A

H 2	M 6	AF 9	20	32 827 07
H 2	M 8 x 1	AF 9	10	32 829 05
H 2	M 10 x 1	AF11	10	32 821 03
H 2	R 1/8"	AF11	10	32 829 67
H 2	R 1/4"	AF14	5	32 825 09

Stainless Steel Hydraulic Grease Nipples

DIN 71412C

In **small size** packaging
Material body: 1.4305 / AISI 303 / V2A

H 3	M 6	AF 9	20	32 837 04
H 3	M 8 x 1	AF 9	10	32 839 02
H 3	M 10 x 1	AF11	10	32 831 00
H 3	R 1/8"	AF11	10	32 839 64
H 3	R 1/4"	AF14	5	32 835 06

Stainless Steel Hydraulic Grease Nipples

DIN 71412A

In **bulk size** packaging
Material body: 1.4305 / AISI 303 / V2A"

H 1	M 6	AF 7	1.000	32 817 17
H 1	M 8 x 1	AF 9	250	32 819 15
H 1	M 8 x 1,25	AF 9	250	32 819 39
H 1	M 10 x 1	AF11	200	32 812 12
H 1	R 1/8"	AF11	200	32 819 84
H 1	R 1/4"	AF14	100	32 815 19

Stainless Steel Hydraulic Grease Nipples

DIN 71412B

In **bulk size** packaging
Material body: 1.4305 / AISI 303 / V2A

H 2	M 6	AF 9	200	32 827 14
H 2	M 8 x 1	AF 9	125	32 829 12
H 2	M 10 x 1	AF11	100	32 821 10
H 2	R 1/8"	AF11	100	32 829 74
H 2	R 1/4"	AF14	50	32 825 16

Stainless Steel Hydraulic Grease Nipples

DIN 71412C

In **bulk size** packaging
Material body: 1.4305 / AISI 303 / V2A

H 3	M 6	AF 9	200	32 837 11
H 3	M 8 x 1	AF 9	125	32 839 19
H 3	M 10 x 1	AF11	100	32 831 17
H 3	R 1/8"	AF11	100	32 839 71
H 3	R 1/4"	AF14	50	32 835 13

Stainless Steel Nipples
1.4305 / AISI 303 / V2A















Grease Nipples in Small Pack Quantities











Description	Images and specifications can be subject to change without notice			Part No.
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Hydraulic Grease Nipples DIN 71412A	MPQ
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









Quality steel, surface hardened, galvanized and passivated.
The self tapping versions are yellow chromated, according to DIN.

H 1	M 6		AF 7		200	32 816 01
H 1	M 8 x 1		AF 9		100	32 818 09
H 1	M 8 x 1,25		AF 9		100	32 818 23
H 1	M 10 x 1		AF11		100	32 811 06
H1	M 10 x 1,5		AF11		100	32 817 48
H 1	R 1/8"		AF11		100	32 818 61
H 1	R 1/4"		AF14		100	32 814 03
H 1	SFG 6 x 1		AF 7	self tapp.thread	200	32 816 56
H 1	SFG 8 x 1		AF 9	self tapp.thread	100	32 818 47
H 1	SFG 10 x 1		AF11	self tapp.thread	100	32 811 20
H 1a	6 mm			drive fit	200	32 816 87
H 1a	8 mm			drive fit	100	32 818 85











Hydraulic Grease Nipples DIN 71412B

H 2	M 6		AF 9		100	32 826 08
H 2	M 8 x 1		AF 9		100	32 828 06
H 2	M 8 x 1,25		AF 9		100	32 828 20
H 2	M 10 x 1		AF11		100	32 820 04
H 2	M 10 x 1,5		AF11		100	32 827 45
H 2	R 1/8"		AF11		100	32 828 68
H 2	R 1/4"		AF14		50	32 824 00
H 2	SFG 6 x 1		AF 9	self tapp.thread	100	32 826 53
H 2a	6 mm		AF 9	drive fit	100	32 826 84
H 2a	8 mm		AF 9	drive fit	100	32 828 82







Hydraulic Grease Nipples DIN 71412C

H 3	M 6		AF 9		100	32 836 05
H 3	M 8 x 1		AF 9		100	32 838 03
H 3	M 8 x 1,25		AF 9		100	32 838 27
H 3	M 10 x 1		AF11		100	32 830 01
H 3	M 10 x 1,5		AF11		100	32 837 42
H 3	R 1/8"		AF11		100	32 838 65
H 3	R 1/4"		AF14		50	32 834 07
H 3	SFG 6 x 1		AF 9	self tapp.thread	100	32 836 50
H 3a	6 mm		AF 9	drive fit	100	32 836 81
H 3a	8 mm		AF 9	drive fit	100	32 838 89

Button-Head Grease Nipple M	DIN 3404
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















































M 1	M 6 x 1		AF17	head-Ø 16 mm	50	32 847 25
M 1	M 8 x 1		AF17	head-Ø 16 mm	50	32 848 17
M 1	M 10 x 1		AF17	head-Ø 16 mm	50	32 840 15
M 1	R 1/8"		AF17	head-Ø 16 mm	50	32 848 31
M 1	R 1/4"		AF17	head-Ø 16 mm	50	32 844 04
M 4	M 8 x 1		AF11	head-Ø 16 mm	100	32 848 55
M 4	M 10 x 1		AF11	head-Ø 16 mm	100	32 840 53
M 22	M 16 x 1,5		AF22	head-Ø 16 mm	50	32 841 07
M 22	R 1/4"		AF22	head-Ø 16 mm	50	32 841 21
M 22	R 3/8"		AF22	head-Ø 16 mm	50	32 841 45

Flush Type Grease Nipple D	DIN 3405
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D 1	M 6		AF 7		200	32 856 09
D 1	M 8x1		AF 9		100	32 858 08
D 1	M 10 x 1		AF11		100	32 850 12
D 1	R 1/8"		AF11		100	32 858 21
D 1a	6 mm			drive fit	200	32 856 47
D 1a	8 mm			drive fit	100	32 858 45



Grease Nipples in Bulk Pack Quantities

Description		Images and specifications can be subject to change without notice			Part No.	
Hydraulic Grease Nipples DIN 71412A					MPQ	
Quality steel, surface hardened, galvanized and passivated.						
The self tapping versions are yellow chromated, according to DIN.						
H 1 M 6		AF 7		5000	32 816 18	
H 1 M 8 x 1		AF 9		3000	32 818 16	
H 1 M 8 x 1,25		AF 9		3000	32 818 30	
H 1 M 10 x 1		AF11		2000	32 811 13	
H1 M 10 x 1,5		AF11		1000	32 811 75	
H 1 R 1/8"		AF11		2000	32 818 78	
H 1 R 1/4"		AF14		1000	32 814 10	
H 1 SFG 6 x 1		AF 7	self tapp.thread	5000	32 816 63	
H 1 SFG 8 x 1		AF 9	self tapp.thread	3000	32 818 54	
H 1 SFG 10 x 1		AF11	self tapp.thread	2000	32 811 37	
H 1a 6 mm			drive fit	5000	32 816 94	
H 1a 8 mm			drive fit	3000	32 818 92	
Hydraulic Grease Nipples DIN 71412B						
H 2 M 6		AF 9		2000	32 826 15	
H 2 M 8 x 1		AF 9		2000	32 828 13	
H 2 M 8 x 1,25		AF 9		2000	32 828 37	
H 2 M 10 x 1		AF11		500	32 820 11	
H 2 M 10 x 1,5		AF11		500	32 820 28	
H 2 R 1/8"		AF11		500	32 828 75	
H 2 R 1/4"		AF14		300	32 824 17	
H 2 SFG 6 x 1		AF 9	self tapp.thread	1500	32 826 60	
H 2a 6 mm		AF 9	drive fit	1500	32 826 91	
H 2a 8 mm		AF 9	drive fit	1500	32 828 99	
Hydraulic Grease Nipples DIN 71412C						
H 3 M 6		AF 9		2000	32 836 12	
H 3 M 8 x 1		AF 9		2000	32 838 10	
H 3 M 8 x 1,25		AF 9		2000	32 838 34	
H 3 M 10 x 1		AF11		500	32 830 18	
H 3 M 10 x 1,5		AF11		500	32 830 25	
H 3 R 1/8"		AF11		500	32 838 72	
H 3 R 1/4"		AF14		300	32 834 14	
H 3 SFG 6 x 1		AF 9	self tapp.thread	1500	32 836 67	
H 3a 6 mm		AF 9	drive fit	1500	32 836 98	
H 3a 8 mm		AF 9	drive fit	1500	32 838 96	
Button-Head Grease Nipple M DIN 3404						
M 1 M 6 x 1		AF17	head-Ø 16 mm	500	32 847 32	
M 1 M 8 x 1		AF17	head-Ø 16 mm	500	32 848 24	
M 1 M 10 x 1		AF17	head-Ø 16 mm	500	32 840 22	
M 1 R 1/8"		AF17	head-Ø 16 mm	500	32 848 48	
M 1 R 1/4"		AF17	head-Ø 16 mm	500	32 844 11	
M 4 M 8 x 1		AF11	head-Ø 10 mm	2000	32 848 62	
M 4 M 10 x 1		AF11	head-Ø 10 mm	500	32 840 60	
M 22 M 16 x 1,5		AF22	head-Ø 22 mm	1000	32 841 14	
M 22 R 1/4"		AF22	head-Ø 22 mm	1000	32 841 38	
M 22 R 3/8"		AF22	head-Ø 22 mm	1000	32 841 52	
Flush Type Grease Nipple D DIN 3405						
D 1 M 6		AF 7		500	32 856 16	
D 1 M 8x1		AF 9		500	32 858 14	
D 1 M 10 x 1		AF11		500	32 850 29	
D 1 R 1/8"		AF11		500	32 858 38	
D 1a 6 mm			drive fit	1000	32 856 54	
D 1a 8 mm			drive fit	500	32 858 52	



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Metal Oil Cans, Premium Oilers, Fluid Atomizers

Description	Part No.
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Images and specifications can be subject to change without notice

Metal Oil Cans with Rigid and Flexible Spout

with metal pump mechanism

Steel body, red paint finish, brass pump mechanism, exchangeable spouts (rigid and flexible)



Metal oil can, approx. 300 ccm (flexible and rigid spout)	33 024 50
Metal oil can, approx. 500 ccm (flexible and rigid spout)	33 045 60



PREMIUM Oiler HDPE

with Swivel Suction Pipe

High-grade oiler for professional use in all maintenance and service areas, containers made of of HDPE

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Oiling is possible in **any position**.



PREMIUM oiler HDPE 300 ccm	33 080 70
PREMIUM oiler HDPE 500 ccm	33 081 00



PREMIUM Oiler Aluminium

with Swivel Suction Pipe

High-grade oiler for professional use in all maintenance and service areas, containers made of Aluminium

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Oiling is possible in **any position**.



PREMIUM oiler aluminium 300 ccm	33 090 60
PREMIUM oiler aluminium 500 ccm	33 091 07



PREMIUM Fluid Atomizer HDPE

with Swivel Suction Pipe

High-grade atomizer for professional use in all maintenance and service areas, containers made of HDPE

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Atomizing thin oils, petroleum and other fluids is possible in **any position**.



PREMIUM fluid atomizer HDPE 300 ccm	33 084 45
PREMIUM fluid atomizer HDPE 500 ccm	33 085 06



PREMIUM Fluid Atomizer Aluminium

with Swivel Suction Pipe

High-grade atomizer for professional use in all maintenance and service areas, containers made of aluminium

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Atomizing thin oils, petroleum and other fluids is possible in **any position**.



PREMIUM fluid atomizer aluminium 300 ccm	33 094 28
PREMIUM fluid atomizer aluminium 500 ccm	33 095 03



Pump Sprayer, Plastic-Oil Measures and Oilers

Description	Images and specifications can be subject to change without notice		Part No.
Pump Sprayer 750 ml			
Made of polythene, suitable for various chemicals, i.e. detergents, solvents and cleaning agents, spray head with adjustable and lockable nozzle			
Pump sprayer 750 ml with plastic nozzle			33 096 40
Pump sprayer 750 ml with brass nozzle			33 098 17
Industrial Pump Sprayer			
Industrial pump sprayer made of polythene with pressure relief valve, suitable for various chemicals e.g. detergents, solvents and cleaning agents, spray head with adjustable and lockable brass nozzle, equipped with VITON seals .			
Industrial pump sprayer 1 litre			33 098 00
Industrial pump sprayer 2 litre			33 098 48
Oil Spray Can			
Transparent polythene container (SK-PE)			
Type SK-PE 125 with cap	capacity: 125 ccm		33 412 51
Type SK-PE 250 with cap	capacity: 250 ccm		33 425 00
Type SK-PE 250 with cap	capacity: 250 ccm		33 450 06
Oil Dispenser			
Transparent oiler made of polyethylene			
Mini oiler 75 ccm with spout and cap			33 410 08
Plastic oiler 250 ccm with spout and cap			33 410 77
Mini oiler 75 ccm with brass outlet and pipe			33 410 22
Universal Sprayer			
Spray flask for various fluids, e.g. distilled water, made of polyethylene, angled plastic spout			
Universal sprayer UNI-PE 500	500 ccm		33 405 20



Plastic-Oil Measures, Jugs and Funnels

Description	Images and specifications can be subject to change without notice	Part No.
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Plastic Oil Measuring Jug, Graduated	MPQ
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Transparent polypropylene with handle
spout and scale in ml.

Pack quantities (MPQ) subject to change without notice.

Typ J-PP	25	0,25 litre	24	33 300 64
Typ J-PP	50	0,50 litre	24	33 300 02
Typ J-PP	100	1,00 litre	15	33 300 19
Typ J-PP	200	2,00 litre	7	33 300 26
Typ J-PP	300	3,00 litre	5	33 300 33
Typ J-PP	500	5,00 litre	8	33 300 57

Plastic Oil Measuring Jugs Set

Plastic oil measuring jugs set, type J-PP
packed in sealed plastic bag

Type J-PP	0,5 + 1,0 + 2,0 litre in sealed plastic bag	12	33 300 71
Type J-PP	1,0 + 2,0 + 5,0 litre in sealed plastic bag	8	33 300 88

Polythene Oil Measure

with dust protection lid and flexible spout

Made of high grade polythene, white, heavy duty with
dust protection screw cap and flexible,
removeable spout with cap.
Fluids are protected against the ingress of pollutants
and the cap prevents drips or spillages.

Typ J-PE	1000	1,00 litre	5	33 200 10
Typ J-PE	2000	2,00 litre	6	33 200 27
Typ J-PE	5000	5,00 litre	4	33 200 58

Polythene Oil Measure Set

with dust protection lid and flexible spout

Plastic oil measuring set, type J-PE,
1,0 + 2,0 + 5,0 litre,
packed in sealed plastic bag and cardboard box.

Polythene oil measure set Typ J-PE	1	33 200 72
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Plastic Funnel with Strainer

Plastic funnel made of heavy duty polythene
with screw-on flexible spout

Plastic funnel F-HDPE	190	6	33 518 09
Plastic funnel F-HDPE	240	4	33 522 02

Flexible Spout

Flexible spout for PE-oil-measure type J-PE
and for plastic funnel with strainer type F-HDPE

Flexible spout for type J-PE	1000+2000 and type F-HDPE 190	1	33 201 02
Flexible spout for type J-PE	5000 and type F-HDPE 240	1	33 201 26



Plastic Funnels

Description	Images and specifications can be subject to change without notice		Part No.
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Plastic Funnel without Strainer	MPQ
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Standard range with all popular sizes
for use in all industries.
Material: PP

Plastic funnel F-PP 75	ø 75 mm	10	33 507 03
Plastic funnel F-PP 160	ø 160 mm	10	33 516 01
Plastic funnel F-PP 235	ø 235 mm	6	33 524 00

Plastic Funnel with Strainer

Item as described above,
with removable strainer.

Plastic funnel FS-PP 160 with strainer	ø 160 mm	10	33 516 18
Plastic funnel FS-PP 235 with strainer	ø 235 mm	6	33 524 17

Plastic Funnel Set

Plastic funnel set F-PP,
oil, petrol and acid-resistant with suspension eye.

A 6-piece set includes one removable strainer
for a Ø 160 mm funnel

Funnel set F-PP-Set 3	Ø 75/160/235 mm	5	33 512 36
Funnel set F-PP-Set 5	Ø 50/75/100/120/150 mm	10	33 513 04
Funnel set F-PP-Set 6	Ø 50/75/100/120/150/160 mm	10	33 513 11

Plastic Funnel with Detachable Spout

Plastic Funnel, red, with strainer and flexible screw-on
detachable spout.

Plastic funnel FS-PP-F160 (ø 160 mm), with spout	10	33 516 70
Plastic funnel FS-PP-F235 (ø 235 mm), with spout	6	33 523 01

Flexible Spout for Plastic Funnel

Flexible spout for plastic funnel

Flexible spout for plastic funnel FS-PP-F160	10	33 535 44
Flexible spout for plastic funnel FS-PP-F235	10	33 535 82

Oil Can Funnel

Useful oil can funnel with Ø 115 mm,
made of polyethylene

Oil can funnel F-OC with Ø 115 mm	10	33 516 94
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Plastic Funnel with Flap Lid

Plastic funnel with stainless steel strainer
and lockable flap lid.
Suitable for waste oil and chemical disposal
Material: PP
Diameter: 250 mm

Thread: R2" and 2" TriSure, male

Funnel FSC-PP-250 (ø 250 mm) with flap lid	1	33 517 00
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Tin Plate Oil Measures and Funnels

Description	Images and specifications can be subject to change without notice	Part No.
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Tin Plate Oil Measure, Graduated

High quality tin plate oil measure, sturdy design, with anti-surge top and funnel-shaped spout, graduated.

"only for lubricating oils"

Type FM-T	500	0,5 litre	33 105 09
Type FM-T	1000	1,0 litre	33 110 01
Type FM-T	2000	2,0 litre	33 120 08

Tin Plate Oil Measure, Graduated

with flexible spout

High quality tin plate oil measure, sturdy design, with anti-surge top and flexible spout, graduated.

"only for lubricating oils"

Type FMF-T	1000	1,0 litre	33 110 25
Type FMF-T	2000	2,0 litre	33 120 22

Oil Measuring Jug, Graduated

High quality oil measuring jug, sturdy design, with anti-surge top and funnel-shaped spout, graduated.

"only for lubricating oils"

Type FM-ZP	5000	5,0 litre	33 150 30
Type FM-ZP	10000	10,0 litre	33 151 08

Tin Plate Funnel with Strainer

and rigid, straight outlet

High quality tin plate funnel with strainer 0,7 mm, handle and removable, straight outlet

Tin plate funnel F-T 160 with strainer, ø 160 mm	33 616 00
Tin plate funnel F-T 200 with strainer, ø 200 mm	33 617 09
Tin plate funnel F-T 240 with strainer, ø 240 mm	33 618 08

Tin Plate Funnel with Strainer

and flexible, straight outlet

High quality tin plate funnel with strainer 0,7 mm, handle and removable, flexible outlet.

Tin plate funnel F-T 160 with strainer, ø 160 mm	33 616 24
Tin plate funnel F-T 200 with strainer, ø 200 mm	33 617 16
Tin plate funnel F-T 240 with strainer, ø 240 mm	33 618 15

Tin Plate Funnel with Strainer

and flexible, angled spout

High quality tin plate funnel with strainer 0,7 mm, handle and removable, flexible and angled outlet.

Tin plate funnel FA-T 160 with strainer, ø 160 mm	33 616 48
Tin plate funnel FA-T 200 with strainer, ø 200 mm	33 617 23
Tin plate funnel FA-T 240 with strainer, ø 240 mm	33 618 22

Tin Plate Funnel Spare Strainer for Petrol

Spare strainer with 0,25 mm mesh size and clamping ring, ideally suited for fuels such as diesel and gasoline.

Tin plate funnel spare strainer for petrol	33 699 03
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Manual Filler Pumps for Grease Guns and Accessories

Description	Images and specifications can be subject to change without notice	Part No.
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Grease Gun Filler Pump ecoFILL-standard

Grease transfer pump includes a standard pail/drum lid (three radial thumb screws) and a follower plate.
Economic & clean filling of grease guns.
Suitable for grease NLGI 000 - 2

(Grease gun not included)

ecoFILL 5-s for 5 kg pails, inner-Ø 165 - 200 mm	33 805 02
ecoFILL 10-s for 10 kg pails, inner-Ø 215 - 230 mm	33 810 04
ecoFILL 15-s for 15 kg pails, inner-Ø 255 - 282 mm	33 815 16
ecoFILL 18-s for 18/20 kg pails, inner-Ø 265 - 285 mm*	33 818 06
ecoFILL 20-s for 18/20 kg pails, inner-Ø 285 - 305 mm	33 818 13
ecoFILL 25-s for 25 kg pails, inner-Ø 300 - 335 mm	33 825 06
ecoFILL 50-s for 50 kg pails, inner-Ø 355 - 387 mm	33 850 02
ecoFILL200-s for 200 kg drums, inner-Ø 550 - 590 mm	33 854 08

Grease Gun Filler Pump ecoFILL-deluxe

Grease transfer pump includes a self-centering pail lid (special mechanism supports exact centred position of the pump) and a follower plate.
The most efficient and professional method of filling grease guns.
Suitable for grease NLGI 000 - 2

(Grease gun not included)

ecoFILL 10-d for 10 kg pails, inner-Ø 215 - 230 mm	33 810 28
ecoFILL 15-d for 15 kg pails, inner-Ø 255 - 282 mm	33 815 30
ecoFILL 18-d for 18/20 kg pails, inner-Ø 265 - 285 mm*	33 818 20
ecoFILL 20-d for 18/20 kg pails, inner-Ø 285 - 305 mm	33 820 32
ecoFILL 25-d for 25 kg pails, inner-Ø 300 - 335 mm	33 825 20
ecoFILL 50-d for 50 kg pails, inner-Ø 355 - 387 mm	33 850 26

Grease Gun Filler Pump ecoFILL-deluxe "JOKEY"

for 18/20 kg JOKEY plastic pail

Item as described above,
includes self-centering pail lid with special claws
to fit and secure grip on the JOKEY pail (Jet 2000).

(Grease gun not included)

ecoFILL 18-d for 18/20 kg JOKEY plastic-pail	33 817 07
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Wheel Bearing Packer for ecoFILL Pump

Wheel bearing grease packer, for easy and clean filling of roller and ball bearings with diameters of 19 to 200 mm.

Wheel bearing grease packer for ecoFILL Equipment	33 790 70
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Angled Filler Tube for ecoFILL Pump

Angled filler pipe to fit to ecoFILL transfer pumps.
Connects to filler nipple/air venting valve Ø 9 mm,
in accordance with DIN 1283, R 1/4" male thread.

Angled filler tube for ecoFILL, thread R 1/4"	33 901 50
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Manual Filler Guns and Accessories for Centralized Lubrication Systems

Description	Images and specifications can be subject to change without notice	Part No.
MATO Filler Gun FP500		
MATO Filler Gun FP500, painted fits for 400 g Pull-Off-Cartridges or 500 g bulk fill, without connecting plug		
		
MATO Filler Gun FP500		34 602 28
MATO Filler Gun FP500-S		
MATO Filler Gun FP500-S, painted fits for 400 g Pull-Off-Cartridges or 500 g bulk fill, with connecting plug (spigot type)		
		
MATO Filler Gun FP500-S		34 602 42
MATO Filler Gun FP600-S		
MATO Filler Gun FP500-S, painted fits for 400 and 500 g Pull-Off-Cartridges or 600 g bulk fill, with connecting plug (spigot type)		
		
MATO Filler Gun FP600-S		34 602 59
MATO Filler Gun FP600-S-LS		
MATO Filler Gun FP600-S-LS, painted fits for 400 g Lube-Shuttle®-, 400, 500 and 550 g Pull-Off Cartridges or 600 g bulk fill, with connecting plug (spigot type)		
		
MATO Filler Gun FP600-S-LS		34 602 80
MATO Filler Gun Lube-Shot 500-S		
MATO Filler Gun Lube-Shot 500-S fits for 400 g Pull-Off-Cartridges or 500 g bulk fill, with connecting plug (spigot type)		
		
MATO Filler Gun Lube-Shot 500-S		34 604 02
Connector plug M26 x 1,5 including protective cap		
Connector plug (spigot type) M26 x 1,5 including protective cap for MATO Filler guns for plug in into connection unit of CLS		
Connector plug M26 x 1,5 including protective cap		33 902 66
Connection unit for Centralized Lubrication Systems		
Connection unit (spigot type) for Centralized Lubrication Systems incl. sealing, screwable protective cap		
Connection unit for Centralized Lubrication Systems M20 x 1,5		33 902 73
Connection unit for Centralized Lubrication Systems M22 x 1,5		33 902 97



Manual Filler Pumps for Centralised Lubrication Systems

Description	Part No.
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Images and specifications can be subject to change without notice

Filler Pump centraFILL-standard

Grease transfer pump for the filling of centralised lubrication system grease reservoirs, includes a standard pail/drum lid (three radial thumb screws), a follower plate and PVC hose, lenght 2,0 m, with quick release coupling according to ISO-Norm 7241B DN6/1/4".

Suitable for grease NLGI 000 - 2

centraFILL 5-s for 5 kg pails, inner-Ø 165 - 200 mm	33 805 40
centraFILL 10-s for 10 kg pails, inner-Ø 215 - 230 mm	33 810 42
centraFILL 15-s for 15 kg pails, inner-Ø 255 - 282 mm	33 815 54
centraFILL 18-s for 18/20 kg pails, inner-Ø 265 - 285 mm*	33 818 44
centraFILL 20-s for 18/20 kg pails, inner-Ø 285 - 305 mm	33 818 51
centraFILL 25-s for 25 kg pails, inner-Ø 300 - 335 mm	33 825 44
centraFILL 50-s for 50 kg pails, inner-Ø 355 - 387 mm	33 850 40

Filler Pump centraFILL-deluxe

Grease transfer pump for the filling of centralised lubrication system grease reservoirs, includes a self-centering pail lid (special mechanism supports exact centred position of the pump), a follower plate and a PVC hose, lenght 2,0 m, with quick release coupling according to ISO-Norm 7241B DN6/1/4".

Suitable for grease NLGI 000 - 2

centraFILL 10-d for 10 kg pails, inner-Ø 215-230 mm	33 810 66
centraFILL 15-d for 15 kg pails, inner-Ø 255-282 mm	33 815 78
centraFILL 18-d for 18/20 kg pails, inner-Ø 265-285 mm*	33 818 68
centraFILL 20-d for 18/20 kg pails, inner-Ø 285-305 mm	33 818 75
centraFILL 25-d for 25 kg pails, inner-Ø 300-335 mm	33 825 68
centraFILL 50-d for 50 kg pails, inner-Ø 355 - 387 mm	33 850 64

Filler Pump centraFILL-deluxe "JOKEY"

for 18/20 kg JOKEY plastic pail

Item as described above, includes self-centering pail lid with special claws to fit and secure grip on the JOKEY pail (Jet 2000).

centraFILL 18-d for 18/20 kg JOKEY plastic pail	33 817 38
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Filler Pump centraFILL-M mobile

Item as described above, but mounted to a trolley for grease pails up to 50 kg. Dust cover in basic version, without screws or self-centering mechanism, rests on upper pail edge.

centraFILL 15-M for 15 kg pails, inner-Ø 255-282 mm	33 816 08
centraFILL 18-M for 18/20 kg pails, inner-Ø 265-285 mm*	33 819 05
centraFILL 20-M for 18/20 kg pails, inner-Ø 285-305 mm	33 819 12
centraFILL 25-M for 25 kg pails, inner-Ø 300-335 mm	33 826 05
centraFILL 50-M for 50 kg pails, inner-Ø 355-387 mm	33 851 01



Pneumatic Filler Pumps and Accessories

Description	Part No.
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Images and specifications can be subject to change without notice

Pneumatic Filler Pump pneMATO-fill

Pneumatic grease transfer pump,
suitable for high viscosity oils, i.e. tacky chain lubricants, and
for Grease NLGI 000 -2

Please note: pump not suitable for high pressure applications !

Technical data :

Output at 8 bar (115 psi) air pressure: approx. 1.800 g per min.
(Multi purpose grease NLGI 2 at 20° C).
Pressure capability approx. 24 bar (330 psi), pump gear ratio 1:3,
outlet thread 1/2"

Pump for 10-25 kg grease pails, suction tube 525 mm	33 725 45
Pump for 50 kg grease pails, suction tube 790 mm	33 750 41
Pump for 200 kg grease drums, suction tube 940 mm	33 720 26
Pump for 1000 l tank, suction tube 1490 mm	33 720 40

Pneumatic Filler Pump pneMATO-fill, stationary

Grease pump as described above, for the filling of centralised
lubrication system reservoirs, equipped with QR coupler.
The assembly consists of a pneumatic pump, 2 m hose DN12(1/2")
with quick release coupling (ISO-Norm 7241B DN6 / 1/4"),
follower plate and self centering pail lid.

Technical data see above

pneuMATO-fill-10-d for 10 kg pails, inner-Ø 215-230 mm	33 710 12
pneuMATO-fill-15-d for 15 kg pails, inner-Ø 255-282 mm	33 715 24
pneuMATO-fill-18-d for 18/20 kg pails, inner-Ø 265-285 mm*	33 720 71
pneuMATO-fill-20-d for 18/20 kg pails, inner-Ø 285-305 mm	33 720 57
pneuMATO-fill-25-d for 25 kg pails, inner-Ø 300-335 mm	33 725 21
pneuMATO-fill-50-d for 50 kg pails, inner-Ø 355-387 mm	33 750 10
pneuMATO-fill-200-d for 200 kg drums, inner-Ø 550-590 mm	33 720 02

Pneumatic Filler Pump pneMATO-fill, stationary

for 18/20 kg JOKEY plastic pail

Item as described above,
includes self-centering pail lid with special claws
to fit and secure grip on the JOKEY pail (Jet 2000).

pneuMATO-fill-18-d for 18/20 kg JOKEY plastic pail	33 721 18
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Pneumatic Filler Pump pneMATO-fill, mobile

Item as described above,
but mounted to a trolley for grease pails up to 50 kg.
Dust cover in basic version, withouth screws or self-
centering mechanism, rests on upper pail edge.

Technical data see above

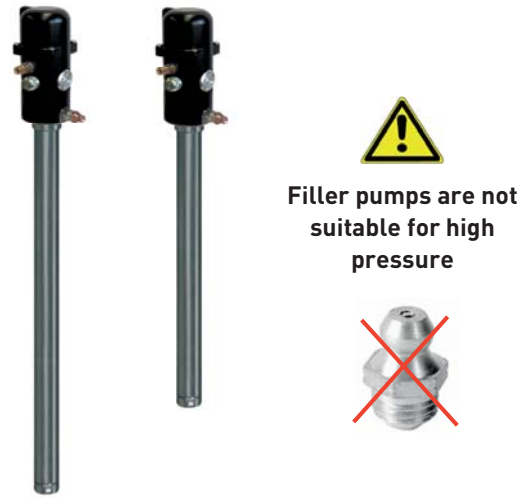
pneuMATO-fill-15-m for 15 kg pails, inner-Ø 255-282 mm	33 715 93
pneuMATO-fill-18-m for 18/20 kg pails, inner-Ø 265-285 mm*	33 720 95
pneuMATO-fill-20-m for 18/20 kg pails, inner-Ø 285-305 mm	33 721 01
pneuMATO-fill-25-m for 25 kg pails, inner-Ø 300-335 mm	33 725 90
pneuMATO-fill-50-m for 50 kg pails, inner-Ø 355-387 mm	33 750 89

DIGIMET E35

Electronic Inline Flow Meter

Can be fitted to pneuMATO-fill equipment.
After calibration, the dispensed grease volume is displayed.
Ideal for controlling the filling of Lube-Shuttle cartridges,
thread 1/2" male / 1/2" swivel nuts.

DIGIMET E35 inline flow meter	35 410 19
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Filler pumps are not
suitable for high
pressure



It is important that all pneumatic
pumps are operated with an
air management system:
see part no. 39 902 20, page 53



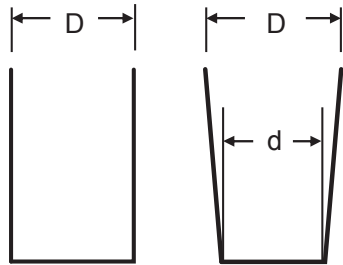
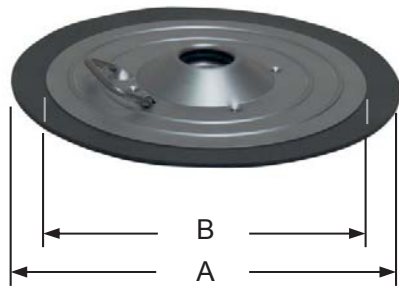
Grease Follower Plates and Pail/Drum Covers

Description	Images and specifications can be subject to change without notice	Part No.
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Grease Follower Plates

for eco-/centraFILL, Bucket-Greaser, pneuMATO 55,
pneuMATO 75 and pneuMATO-fill, suitable for suction tube Ø 40 mm

Recommended pail size by ELGI: (European Lubricating Grease Institute) 18 kg Keg					*
	A / B		d - D		
FO 5	205/150	for inner-Ø	165 - 200 mm	33 920 00	
FO 10	236/204	for inner-Ø	215 - 230 mm	33 923 07	
FO 15	273/204	for inner-Ø	220 - 267 mm	33 926 73	
FO 15	285/242	for inner-Ø	255 - 282 mm	33 928 26	
FO 18	291/242	for inner-Ø	265 - 285 mm *	33 928 57	
FO 20	312/242	for inner-Ø	285 - 305 mm	33 930 52	
FO 25	338/285	for inner-Ø	300 - 335 mm	33 933 59	
FO 40	356/300	for inner-Ø	311 - 346 mm	33 934 65	
FO 50	392/330	for inner-Ø	350 - 385 mm	33 938 54	
FO 50	392/340	for inner-Ø	355 - 387 mm	33 938 78	
FO 50	415/354	for inner-Ø	385 - 410 mm	33 941 03	
FO 200	596	for inner-Ø	550 - 590 mm	33 959 02	



Adaptor Set, 5 Units, for Suction Tubes Ø 40 mm

Diameter reducers to adapt suction tubes-Ø 26, 28, 30, 32
and 35 mm to MATO lid and follower plate 40 mm hole-diameter

Adaptor-set, 5 units, diameter reducers	33 791 55
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Pail Lid

Designed for mobile units of pail mounted grease transfer
and greasing equipment, fits manual and pneumatic grease pumps.
Powder coated steel.

Cover M 10-18 310 mm for pails with outer Ø 225-305 mm	33 962 20
Cover M 20-25 365 mm for pails with outer Ø 280-360 mm	33 962 44
Cover M 50 435 mm for pails with outer Ø 350-430 mm	33 962 68



Pail/Drum Lid - S

Standard lid for static pail mounted grease transfer and
greasing equipment, fits manual and pneumatic grease pumps,
suction tube Ø 40 mm, equipped with 3 thumb screws.

Lid S 5 220 mm for pails with outer Ø 188-210 mm	33 960 08
Lid S 10-18 310 mm for pails with outer Ø 225-300 mm	33 960 22
Lid S 20-25 365 mm for pails with outer Ø 280-355 mm	33 960 46
Lid S 50 435 mm for pails with outer Ø 350-425 mm	33 960 60
Lid S 200 675 mm for drums with outer Ø 570-625 mm	33 960 84



Self-Centering Pail Lid- D

Deluxe lid for static pail mounted grease transfer and greasing
equipment, fits manual and pneumatic grease pumps, suction
tube Ø 40 mm, equipped with self centering mechanism.

Lid D 10-15 310 mm for pails with outer Ø 225-295 mm	33 961 38
Lid D 18-25 365 mm for pails with outer Ø 280-350 mm	33 961 52
Lid D 50 435 mm for pails with outer Ø 350-420 mm	33 961 76

Special Self Centering Pail Lid - D

Deluxe lid for static pail mounted grease transfer and greasing
equipment, fits manual and pneumatic grease pumps, suction
tube Ø 40 mm, equipped with self centering mechanism.
Suitable for: JOKEY Jet 2000 / JOKEY Jet 125 / Polipa 20L / ROPAC)

Pail lid D 18/20 365 mm for JOKEY - Jet 2000	33 961 45
Pail lid D 10/15 310 mm for JOKEY - Jet 125	33 961 14
Pail lid D 18/20 365 mm for POLIPA 20 L	33 961 90
Pail lid D 18/20 365 mm for ROPAC	33 961 21

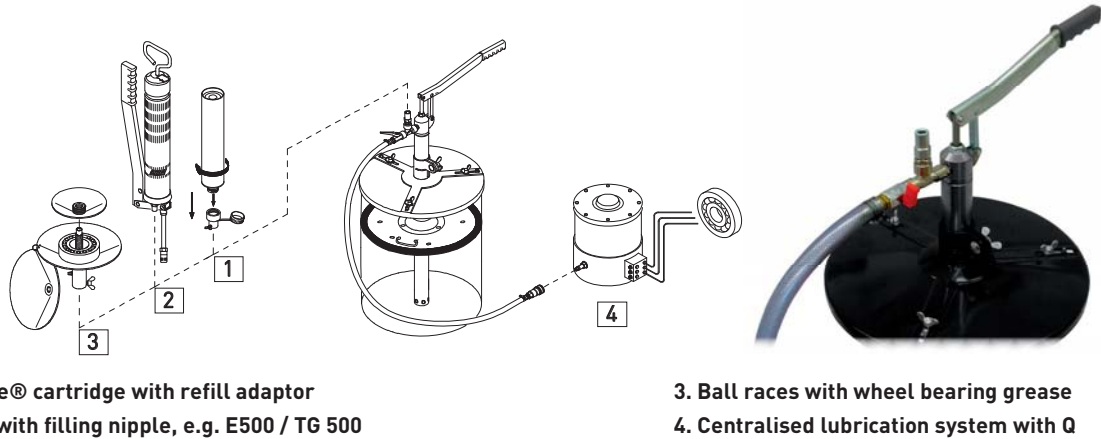


Pumps ecoFILL, centraFILL, Accessories for Transfer Pumps

Description	Images and specifications can be subject to change without notice	Part No.
ecoFILL-Pump with Angled Filler Tube		
Suction tube - Ø 40 mm		
Pump ecoFILL for 5 kg, suction tube length 395 mm		33 900 51
Pump ecoFILL for 10/25 kg, suction tube length 535 mm		33 900 68
Pump ecoFILL for 50 kg, suction tube length 800 mm		33 900 75
centraFILL-Pump with Spout		
Suction tube - Ø 40 mm		
Pump centraFILL for 5 kg, suction tube length 395 mm		33 901 05
Pump centraFILL for 10/25 kg, suction tube length 535 mm		33 901 12
Pump centraFILL for 50 kg, suction tube length 800 mm		33 901 29
Hose 2 metres for centraFill Filler Pumps		
Hose DN12 (1/2") for centraFill units, includes hydraulic quick release coupling according to ISO-Norm 7241B DN6 / 1/4" and a ball valve.		
Hose 2 meters with quick release coupling		33 900 37
Combined Filler Pump Adaptor for ecoFILL- and centraFILL Equipment		
Adaptor to fill grease guns, Lube-Shuttle® cartridges (see refill adaptor, page 9) or centralised lubrication system grease reservoirs.		
Transfer pump adaptor, manual pump		33 900 13
Hose with Quick Release Coupling for pneuMATO-fill pump		
Hose DN12 (1/2") for pneuMATO-fill units, includes hydraulic quick release coupling according to ISO-Norm 7241B DN6 / 1/4" and a ball valve.		
Hose 2 meters with ball valve for pneuMATO-fill		33 900 20
Hose 4 meters with ball valve for pneuMATO-fill		33 903 10
Filler Pump Adaptor for pneuMATO-fill		
Transfer pump adaptor for pneumatic pumps which allows to choose between filling of grease guns (with filler nipple), Lube-Shuttle® cartridges (see refill adaptor, page 9) or centralised lubrication system grease reservoirs. Operation mode selected by ball valve.		
Transfer pump adaptor, pneumatic pump		33 900 06
Accessories for centraFILL- pneuMATO-fill		
Double ended connector 3/8" - 1/4" male		39 914 87
Double ended connector 1/4" - 1/4" male		39 914 49
Reducing connector M10x1 - 1/4" male		39 910 43
QR connector (plug) 1/4" fem. ISO 7241B DN6/1/4"		33 902 28
QR connector (socket) with hose tail, ISO as above		33 902 42
Angled filler tube with plug		33 901 74



Options for centraFill in combination with the "Filler Pump Adaptor"



mato



Description	Part No.
Images and specifications can be subject to change without notice	
pneuMATO 55 Grease Pump without Accessories	

Pressure ratio 55:1, free delivery 500 g/min.,
maximum working pressure 425 bar (6.150 psi),
grease outlet thread 1/4", suction tube Ø 40 mm.

Suitable fo grease NLGI 000 - 2

pneuMATO 55 grease pump for 10-25 kg pails, suction tube 495 mm	34 102 54
pneuMATO 55 grease pump for 50 kg pails, suction tube 690 mm	34 102 78
pneuMATO 55 grease pump for 200 kg drums, suction tube 885 mm	34 102 92

**pneuMATO 55 Grease Pump Unit, stationary
with 3,5 m high pressure rubber hose DN6, R1/4"**

Air operated greasing pump, outlet thread R1/4",
3.5 m high pressure safety rubber hose DN 6 (R1/4"),
high pressure grease control valve with straight swivel
and rigid tube with 4-jaw hydraulic coupler, grease follower
plate and pail/drum lid -S, equipped with 3 thumb screws.

pneuMATO 55, stationary for 10 kg pails, inner-Ø 215-230 mm	34 103 60
pneuMATO 55, stationary for 15 kg pails, inner-Ø 255-282 mm	34 104 69
pneuMATO 55, stationary for 18/20 kg pails, inner-Ø 265-285 mm*	34 105 68
pneuMATO 55, stationary for 18/20 kg pails, inner-Ø 285-305 mm	34 105 75
pneuMATO 55, stationary for 25 kg pails, inner Ø 300-335 mm	34 106 67
pneuMATO 55, stationary for 50 kg pails, inner Ø 355-387 mm	34 107 66
pneuMATO 55, stationary for 200 kg drums, inner Ø 550-590 mm	34 107 80

**pneuMATO 55 Grease Pump Unit, stationary
with 6,5 m high pressure rubber hose DN6, R1/4"**

Item as described above,
**but equipped with 6,5 m high pressure rubber safety hose DN6,
fitting thread R1/4".**

pneuMATO 55, stationary for 10 kg pails, inner-Ø 215-230 mm	34 103 77
pneuMATO 55, stationary for 15 kg pails, inner-Ø 255-282 mm	34 104 83
pneuMATO 55, stationary for 18/20 kg pails, inner-Ø 265-285 mm*	34 105 82
pneuMATO 55, stationary for 18/20 kg pails, inner-Ø 285-305 mm	34 106 36
pneuMATO 55, stationary for 25 kg pails, inner Ø 300-335 mm	34 106 81
pneuMATO 55, stationary for 50 kg pails, inner Ø 355-387 mm	34 107 42
pneuMATO 55, stationary for 200 kg drums, inner Ø 550-590 mm	34 109 71

**pneuMATO 55 Grease Pump Unit, stationary
with 10 m high pressure rubber hose DN6, R1/4"**

Item as described above,
**but equipped with 10 m high pressure rubber safety hose DN6,
fitting thread R1/4".**

pneuMATO 55, stationary for 10 kg pails, inner-Ø 215-230 mm	34 103 84
pneuMATO 55, stationary for 15 kg pails, inner-Ø 255-282 mm	34 104 90
pneuMATO 55, stationary for 18/20 kg pails, inner-Ø 265-285 mm*	34 105 99
pneuMATO 55, stationary for 18/20 kg pails, inner-Ø 285-305 mm	34 106 43
pneuMATO 55, stationary for 25 kg pails, inner Ø 300-335 mm	34 106 98
pneuMATO 55, stationary for 50 kg pails, inner Ø 355-387 mm	34 107 59
pneuMATO 55, stationary for 200 kg drums, inner Ø 550-590 mm	34 109 88

**pneuMATO 55 Grease Pump Unit, stationary
for 18/20 kg JOKEY plastic pail**

Item as described above,
but includes self-centering pail lid with special claws
to fit and secure grip on the JOKEY pail (Jet 2000).

pneuMATO 55, stationary "JOKEY" with 3,5 m hose	34 106 05
pneuMATO 55, stationary "JOKEY" with 6,5 m hose	34 106 12
pneuMATO 55, stationary "JOKEY" with 10 m hose	34 106 29



It is important that all pneumatic pumps are operated with an air management system: see part no. 39 902 20, page 53



High Pressure Lubrication Equipment, Pneumatic

Description	Part No.
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Images and specifications can be subject to change without notice

pneuMATO 55 Grease Pump Unit, mobile
with 3,5 m high pressure rubber hose DN6

Air operated greasing pump, mounted to a trolley for grease pails up to 50 kg, pump outlet thread R1/4", 3.5 m high pressure safety rubber hose DN 6 (R1/4"), high pressure grease control valve with straight swivel and rigid tube with 4-jaw hydraulic coupler, grease follower plate and pail/drum lid withouth screws or self-centering mechanism, rests on upper pail edge.

pneuMATO 55, mobile for 10 kg pails, inner Ø 215-230 mm	34 110 08
pneuMATO 55, mobile for 15 kg pails, inner Ø 255-282 mm	34 115 03
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 265-285 mm*	34 118 00
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 285-305 mm	34 118 24
pneuMATO 55, mobile for 25 kg pails, inner Ø 300-335 mm	34 125 00
pneuMATO 55, mobile for 50 kg pails, inner Ø 355-387 mm	34 150 06

pneuMATO 55 Grease Pump Unit, mobile
with 6,5 m high pressure rubber hose DN6, R1/4"

Item as described above,
but equipped with 6,5 m high pressure rubber safety hose DN6,
fitting thread R1/4".

pneuMATO 55, mobile for 10 kg pails, inner Ø 215-230 mm	34 110 15
pneuMATO 55, mobile for 15 kg pails, inner Ø 255-282 mm	34 115 10
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 265-285 mm*	34 118 17
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 285-305 mm	34 118 55
pneuMATO 55, mobile for 25 kg pails, inner Ø 300-335 mm	34 125 17
pneuMATO 55, mobile for 50 kg pails, inner Ø 355-387 mm	34 150 37

pneuMATO 55 Grease Pump Unit, mobile
with 10 m high pressure rubber hose DN6, R1/4"

Item as described above,
but equipped with 10 m high pressure rubber safety hose DN6,
fitting thread R1/4".

pneuMATO 55, mobile for 10 kg pails, inner Ø 215-230 mm	34 110 22
pneuMATO 55, mobile for 15 kg pails, inner Ø 255-282 mm	34 115 27
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 265-285 mm*	34 118 48
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 285-305 mm	34 118 62
pneuMATO 55, mobile for 25 kg pails, inner Ø 300-335 mm	34 125 24
pneuMATO 55, mobile for 50 kg pails, inner Ø 355-387 mm	34 150 44



It is important that all pneumatic pumps are operated with an air management system: see part no. 39 902 20, page 53



High Pressure Lubrication Equipment, Manually and Pneumatic Operated

Description	Images and specifications can be subject to change without notice	Part No.
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pneuMATO 75 Grease Pump without Accessories

Pressure Ratio: 1:75
Output 500 - 600 g/min. at free delivery,
Maximum working pressure 580 bar (8,390 psi),
grease outlet thread R1/4", suction tube Ø 40 mm.
Suitable for grease NLGI 000 - 2
For use with NLGI 3 please consult with our Technical Dpt.

It is important that all pneumatic pumps are operated with an air management system: see part no. 39 902 20, page 53



pneuMATO 75, Aggregat für 10-25 kg Fetteimer, Saugrohr 495 mm	34 104 07
pneuMATO 75, Aggregat für 50 kg-Fetteimer, Saugrohr 690 mm	34 104 21
pneuMATO 75, Aggregat für 200 kg-Fett-Fässer, Saugrohr 885 mm	34 104 45

High Pressure Lubricator Bucket Greaser

Pail mounted high pressure manual lubricator,
suction tube Ø 40 mm, equipped with 2.0m high pressure
safety rubber hose and 4-jaw hydraulic coupler, pail
lid - S with 3 thumb screws, and follower plate.

Working pressure : 400 bar (5.800 psi), output 1,6 ccm per stroke.
Suitable for Grease NLGI 000 - 2

Bucket Greaser BG 5-s f. 5 kg,	inner-Ø 165-200 mm	33 805 71
Bucket Greaser BG 10-s f. 10 kg,	inner-Ø 215-230 mm	33 810 80
Bucket Greaser BG 15-s f. 15 kg,	inner-Ø 255-282 mm	33 815 92
Bucket Greaser BG 18-s f. 18/20 kg,	inner-Ø 265-285 mm *	33 818 82
Bucket Greaser BG 20-s f. 18/20 kg,	inner-Ø 285-305 mm	33 818 37
Bucket Greaser BG 25-s f. 25 kg,	inner-Ø 300-335 mm	33 825 82
Bucket Greaser BG 50-s f. 50 kg,	inner-Ø 355-387 mm	33 851 70

High Pressure Lubricator Bucket Greaser

for 18/20 kg JOKEY plastic pail
Item as described above,
includes self-centering pail lid with special claws
to fit and secure grip on the JOKEY pail (Jet 2000).

Bucket Greaser BG 18-d for 18/20 kg JOKEY plastic pail	33 819 50
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Foot operated grease pump FP-06 economy

Budget priced foot operated pump with 2,0 m
high pressure rubber safety hose and
4-jaw hydraulic coupler, carry handle.
Suitable for Grease NLGI 000 - 2

Maximum working pressure:	up to 500 bar (7.250 psi)	
Reservoir capacity:	approx. 6.000 ccm	
Output per stroke:	approx. 2 ccm	
Foot operated grease pump	FP-06 economy	33 860 09



Accessories for High Pressure Lubrication Equipment

Description	Part No.
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Images and specifications can be subject to change without notice

MATO Rubber Hose

Suitable for pneumatic grease pumps and high pressure greasing equipment. Heavy duty specification, burst pressure 1.650 bar, steel wire braided, i.e. for use with pneuMATO 55, pneuMATO 75, Bucket-Greaser, FP-06, fitting thread R1/4" male / female.

Rubber hose assembly RH-100	1,0 m	32 589 17
Rubber hose assembly RH-200	2,0 m	32 591 12
Rubber hose assembly RH-350	3,5 m	32 591 50
Rubber hose assembly RH-650	6,5 m	32 591 74
Rubber hose assembly RH-1000	10 m	32 591 98

Air Management System

Features pressure regulator, pressure gauge, water filter and lubricator.

It is important that all pneumatic pumps are operated with an air management system to secure the supply of clean, dry and oiled air. Please consult the operation manuals of the pneumatic pumps to see warranty terms.

Air management system	39 902 20
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High Pressure Grease Control Valve, standard

Steel construction, with rigid tube E4024 (1/8") and 4-jaw hydraulic coupler, inlet: 1/4" female

Working pressure max. 450 bar (6.525 psi), not suitable for pneuMATO 75

High pressure grease control valve with straight swivel	34 108 03
High pressure grease control valve with Z` swivel	34 108 34

Trolley

Designed to set up mobile units of manual and pneumatic grease transfer pumps and high pressure greasers.

Trolley for 10-50 kg pails, easily assembled, robust **zinc plated design**, with pump bracket and handle.

Standard-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 hard rubber wheels**, **1 lockable swivel castor** and holster for control valve.

Premium-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 puncture-proof PU-foamed wheels**, **2 lockable swivel castor** and holster for control valve.

Trolley for 10-50 kg pails	34 700 50
Standard-Trolley for 200 litre / 180 kg drums	34 701 80
PremiumTrolley for 200 litre / 180 kg drums	34 701 66



Grease Meter and High Pressure Greasing Accessories

Description	Part No.
Images and specifications can be subject to change without notice	
DIGIMET E5 Grease Meter	
High pressure digital meter suitable for grease up to NLGI 2, displays dispense volume in ccm, resettable, totaliser in litre, inlet thread R1/4"female.	
Working Pressure:	max. 500 bar (7.250 psi)
Burst Pressure:	min. 1.000 bar (14.450 psi)
Accuracy:	+/- 3%
Max. permissible delivery:	2.000 ccm/min.
Digimet E5 without accessories R1/8"	35 415 52
Digimet E5 with rigid tube R1/8"	35 415 76
Digimet E5 with high pressure rubber hose R1/8"	35 415 90
Digimet E5 with High Pressure Rubber Hose R1/8"	
High pressure digital meter for grease up to NLGI 2, technical data as described above, except for inlet R1/8" is female	
DIGIMET E5 inline grease meter	35 415 45
High Pressure Grease Control Valve, deluxe	
Robust construction with straight swivel, delivery tube E4024 R1/8", 4-jaw hydraulic coupler, inlet thread 1/4"female, working pressure max. 600 bar (8.700 psi)	
Easy operation, without effort, even at high grease pressures. Ergonomic plastic hand grip with protective cover, pressure parts in steel, operating trigger with leak proof feature.	
High pressure grease control valve, deluxe with rigid tube E4024	34 108 58
Lance with Lubricating Brush	
The lance assembly includes a lubricating brush, a high-pressure grease control valve and a z-swivel joint. It comes with separate 400/800 mm pipe segments that can be bolted by a hex-nut. The unit can directly be tied to a high-pressure rubber hose of a pneumatic greaser pump. The lance is equipped with a PA6 nylon brush (R1/8"), with a Ø 25 mm brush, to lubricate surfaces like open gears, chains, linear and glide rails, train-tracks, etc.	
Lance with Lubricating Brush and High Pressure Control Valve	33 795 44
Lubricating Brush with Brush Ø 25 mm	
Corrosion resistant brush housing made of nickel-plated brass, stainless steel spring, highly resistant and durable brush with curled PA6 (Nylon) hair, brush Ø 25 mm, thread 1/8" BSP	
Other brush sizes with PA6 hair or made of stainless steel available upon request	
Lubricating Brush with Brush Ø 25 mm	33 795 51
High Pressure Handle with Straight Swivel	
with rigid tube and 4-jaw hydraulic coupler R1/8", geeignet z.B. für Bucket-Greaser, FP-06	
High Pressure Hand Control with Straight Swivel	33 902 80
Swivel for Grease Control Valve	
Heavy duty, ball bearing, R1/4"	
Straight swivel for grease control valve	34 109 02
Z` Swivel for Grease Control Valve	34 109 40



Grease Spray Equipment and Accessories

Description	Part No.
Images and specifications can be subject to change without notice	
pneuMATO 55 - LubeJet, stationary	
A grease spray system using unique technology: it combines the high pressure lubrication pump pneuMATO 55 with especially designed spraying equipment . The spray pistol has been designed for greases up to NLGI 2, the special "Twin Hose" for grease and high pressure air supply is integrated in a high quality protective sheath. This sophisticated grease spray system can be fitted to grease pails and drums.	
Specification: pneuMATO 55 -pneumatic pump unit, pressure ratio 1:55, 10m special twin delivery hose, spray gun, pressure regulator 5 bar, air inlet pressure limited to 5 bar	
version with 3,5 or 6,5 m hose length upon request	
pneuMATO 55 - LubeJet, stationary for 25 kg, inner-Ø 300-335 mm	33 727 29
pneuMATO 55 - LubeJet, stationary for 50 kg, inner-Ø 355-387 mm	33 757 20
pneuMATO 55 - LubeJet, stationary for 200 kg, inner-Ø 550-590 mm	33 701 21
pneuMATO 55 - LubeJet, mobile	
Item as described above, but mounted to a trolley to carry pails up to 50 kg or drums up to 180 kg	
version with 3.5 or 6.5 m hose length upon request	
pneuMATO 55 - LubeJet, mobile for 25 kg, inner-Ø 300-335 mm	33 726 20
pneuMATO 55 - LubeJet, mobile for 50 kg, inner-Ø 355-387 mm	33 756 21
pneuMATO 55 - LubeJet, mobile for 200 kg, inner-Ø 550-590 mm	33 700 08
Grease Spray Gun for pneuMATO 55 - LubeJet	
This spray gun has been specially designed to spray grease. Spray patterns, air and grease volumes are individually adjustable. Maximum permitted air input pressure is 10 bar (145 psi) Maximum permitted material pressure is 250 bar (3.625 psi)	
Grease Spray Gun for pneuMATO 55 - LubeJet	33 793 60
Spray Lance for pneuMATO 55 - LubeJet	
Spray lance with 2-segment extension tube, designed to cover and spread grease in inaccessible spots or cavities. The unit is suitable for common greases up to NLGI-class 2.	
Spray lance 2,0 m for pneuMATO 55 - LubeJet, 90 ° spray head	33 795 75
Spray lance 2,0 m for pneuMATO 55 - LubeJet, 180 ° spray head	33 795 82
Twin Hose for pneuMATO 55 - LubeJet	
This special " Twin Hose" includes high pressure grease supply hose (burst pressure: 1.650 bar, with steel wire reinforcement) and air supply hose. Both hoses are encased in hard wearing outer sheath, which has integral spiral, steel reinforcement.	
pneuMATO 55 - LubeJet twin hose system 3.5 m	33 793 08
pneuMATO 55 - LubeJet twin hose system 6.5 m	33 793 15
pneuMATO 55 - LubeJet twin hose system 10 m	33 793 22
Air Pressure Limiter for pneuMATO 55 Lubejet	
This air pressure limiter restricts the air supply pressure at the pump inlet to 5 bar. It is supplied with connection for the air supply pipework.	
Air pressure regulator for pneuMATO 55 Lubejet	33 794 90



Electric Lubrication Equipment

Description	Images and specifications can be subject to change without notice	Part No.
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MATO eHybrid-Greaser 230 V

The innovative mobile MATO eHybrid-Greaser 230 V features a purposely designed 400 bar high-pressure piston pump, operated with hydraulic oil by an electric gearwheel pump.

When switched on, the electric gearwheel pump promotes hydraulic oil and instantly starts the piston pump actuation. Greasing valve lever engagement starts the grease promotion, its disengagement ends the grease flow, finishes the lubrication process respectively.

The mobile MATO eHybrid-Greaser 230 V is built for the lubrication of machines, vehicles and other devices, it suits common greases with grades NLGI 000 - 2.

In delivery condition the hydraulic fluid circuit is pre-assembled and filled with hydraulic oil.

Technical data:

Current:	230 V / 50 Hz
Max. promotion:	320 ccm/min.
Max. pressure:	400 bar
Motor power:	0,75 Kw

Features

- hydraulic high-pressure piston pump
- electric gearwheel pump with pressure relieve-valve, refillable hydraulic -oil reservoir with oil-level window and venting valve
- 5 mtr cable with shock-proof plug
- powder-coated dust cover for grease pail
- heavy duty follower plate to optimize grease consumption
- 3,5 m steel-braided safety-rubber hose DN 6, B.P. 1.650 bar (6,5 m und 10 m available upon request)
- high-pressure greasing valve with rigid pipe and 4-jaw hydraulic coupler, z-swivel joint
- sturdy, powder coated trolley, height adjustable pump bracket
- solid rubber wheels, castor wheel with brake
- 200 kg size available (incl. premium-trolley, ref. 34 701 66, with two flat-proof PU-foam filled rubber wheels and two castor wheels with brake)

MATO eHybrid-Greaser for 10 kg pail, inner Ø 215-230 mm	34 231 17
MATO eHybrid-Greaser for 15 kg pail, inner Ø 255-282 mm	34 232 16
MATO eHybrid-Greaser for 18/20 kg pails, inner Ø 265-285 mm*	34 233 15
MATO eHybrid-Greaser for 18/20 kg pails, inner Ø 285-305 mm	34 233 22
MATO eHybrid-Greaser for 25 kg pail, inner Ø 300-335 mm	34 234 14
MATO eHybrid-Greaser for 50 kg pail, inner Ø 355-387 mm	34 235 13
MATO eHybrid-Greaser for 200 kg drums, inner Ø 550-590 mm	34 236 29

New



mato



HENNLICH
ŽIJEME TECHNIKOU

o.z. HENNLICH CEMA-TECH,
Dolní 183/30, 591 01 Žďár nad Sázavou

Telefon: +420 566 630 524
E-mail: cema-tech@hennlich.cz

www.hennlich.cz/cema-tech

Syphon-, Hand- and Lift Pumps

Description	Images and specifications can be subject to change without notice	Part No.
Polythene Syphon-Pump Model SP-50		
Designed for use with the majority of aggressive fluids		
Suction tube length 375 mm		
Bung adaptor for Ø 31 mm / 1" BSP		
Delivery hose length 0,5 m (approx).		
Output 50 ml per stroke, therefore approximately 6 litre per minute is possible		
Syphon-Pump SP-50		34 622 08
Polythene Syphon-Pump Model SP-150		
Designed for use with the majority of aggressive fluids suitable for detergents.		
Suction tube length 850 mm		
Bung adaptor 2" BSP		
Delivery hose length 1,4 m (approx).		
Output 150 ml per stroke, therefore approximately 20 litre per minute is possible		
Syphon-Pump SP - 150		34 622 22
Lever Operated Drum Pump HP 500 for AdBlue®		
Lever operated drum pump HP 500 for 50 up to 200 litre drums, equipped with 2" drum adaptor, telescope 2-segement suction tube and 2 m delivery hose, 2" bung adaptor and 2 adaptor 2" BSP female to 2" Mauser / TriSure male		
Flow rate: 500 ccm per stroke, EPDM Seals		
Lever operated drum pump HP 500 for AdBlue®		34 623 07
UNIVERSAL - Lift Pump LP-S		
Universal plastic pump with adaptor R2" for standard drums/barrels.		
Output: 250 ccm per stroke		
LP-S: Compatible with lubricating oils, diesel and fuel oil. Compatibility with other fluids on request.		
Different bung adaptors described on page 62		
Universal Lift Pump LP-S 25		34 625 12
Universal Lift Pump LP-S 200		34 625 29
UNIVERSAL - Lift Pump LP-C		
Universal plastic pump with adaptor R2" for standard drums/barrels.		
Output: 250 ccm per stroke		
LP-C: Compatible with chemicals, thinners, solvents, anti-freeze, detergents, cleaning fluids and AdBlue®. Compatibility with other fluids on request. Piston in stainless steel.		
Different bung adapter available on page 62		
Universal lift pump LP-C 25		34 625 50
Universal lift pump LP-C 200		34 625 67
Delivery hose for Lift Pumps LP-C & LP-S		
2,0 m PVC delivery hose with spout for LP-C & LP-S		34 626 04
Universal Adaptor for Lift Pumps LP-C & LP-S		
Universal adaptor for lift pumps LP-C & LP-S		34 626 28
Adaptor 2" BSP for Lift Pumps LP-C + LP-S		
Adaptor 2" BSP for lift pumps LP-C + LP-S		34 626 11



Rotary Action Pumps

Description	Part No.
Images and specifications can be subject to change without notice	
Polypropylene Rotary Pump RP 100-PP	
2-chamber vane pump with 3-segment suction tube, designed for drums up to 200 litre, drum adaptor 2" BSP	
Suitable for: AdBlue®, water-based liquids, thinner, solvents, anti-freeze, windshield detergents, hydraulic-oils. Other lubricants on request.	
Output: 250 ccm per revolution	
Polypropylen rotary pump RP 100-PP	34 609 07
Cast Iron Rotary Pump RP 100-s	
2 chamber vane pump with 3 part aluminum suction tube suitable for barrels up to 200 litre, drum adaptor 2" BSP	
For diesel, motor, gearbox and hydraulic oils up to SAE 90	
Output: 250 ccm per revolution	
Cast Iron Rotary Pump standard RP 100-s	34 610 10
Aluminum Rotary Pump RP 100-d	
2 chamber vane pump with 3 part aluminum suction tube suitable for barrels up to 200 litre, drum adaptor 2" BSP	
For diesel, motor, gearbox and hydraulic oils up to SAE 90	
Output: 250 ccm per revolution	
Aluminum Rotary Pump RP 100-d	34 610 34
3 Part Aluminum Suction Tube for rotary pumps RP 100-s and RP 100-d	
3 part aluminum suction tube	34 612 70
Hose for Rotary Pumps RP 100	
Spare hose, lenght 1,1 m, for rotary pump with spout and securing hook	
Hose for rotary pump RP 100-s + RP 100-d	34 620 55
Ball valve with hose tail for aluminum rotary pump RP 100-d	
Nozzle for gear oil with ball valve	34 620 62
Aluminum Rotary Pump RP 100-M with Trolley and Pump Bracket	
2 chamber vane pump with aluminum suction tube set suitable for 50-60 litre drums, with 1,2 m delivery hose, ball valve with nozzle for gear oil, drum adaptor 2"	
Trolley for 50-60 litre drums with pump support bracket.	
For diesel, motor, gearbox and hydraulic oils up to SAE 90	
Output: 250 ccm per revolution	
Aluminum rotary pump RP 100-M with trolley	34 610 58



Barrel Pumps and Accessories

Description	Part No.
Images and specifications can be subject to change without notice	
Lever Operated Barrel Pump HP 350	
Budget priced barrel pump for 50 to 200 litre drums, Steel telescopic suction tube 450 mm to 860 mm, body made of zinc plated steel, 2" and 1 1/2" BSP drum adaptors detachable outlet nozzle	
NBR (Perbunan) Seals	
For oils up to SAE 90, petroleum and other non-aggressive fluids individually packed in carton. Output: 350 ccm per stroke	
Lever operated barrel pump HP 350	34 635 40
Lever Operated Barrel Pump HP 350 - V	
other specifications as for HP 350 above but with Viton seals and red handle grip	
Suitable for alcohol, anti-freeze, thinners. Ensure fluid is compatible with VITON	
Lever operated barrel pump HP 350 - V	34 635 64
Delivery hose DN16 for HP 350 + HP 350-V	
1,5 m long with ball valve 1/2" female with adaptor 3/4" female to 1/2" male, hoseclip and outlet nozzle for gear oil	
Delivery hose DN16, ball valve and gear oil nozzle	34 620 00
PVC Hose with hosetail for HP 350+HP 350-V	
PVC hose 1,5 m long, hosetail and hoseclip	
PVC hose 1,5 m long, hosetail and hoseclip	34 620 17
UNIVERSAL - Lift Pump LPM-200	
with rigid steel suction tube for 200 liter barrels	
Universal pump with zinc plated suction tube, 950 mm, footvalve and 2" BSP bung adaptor. Output: 750 ccm per stroke	
LPM-200: Suitable for lubricating oils, diesel and fuel oil. Compatibility with other fluids on request.	
UNIVERSAL - Lift Pump LPM-200	34 626 80
Lever Operated Pump LAP 350	
Robust piston pump with lever action for 200 l barrels, non-return valve, zinc plated steel suction tube 1,5 m PVC delivery hose with spout	
For light/extra light fuel oils, diesel, petroleum, cleaning fluids Suction tube:. 850 mm approx. Drum adaptor 2" BSP Suction tube thread 1/2" BSP Output: 350 ccm per stroke	
Lever operated pump LAP 350	34 635 88
Lever Operated Pump LAP 125	
Piston pump, eco-version, with lever action for 50 - 200 litre drums, backlash valve, zinc plated, 3-segment steel suction tube 1,2 m PVC delivery hose with spout	
For light/extra light fuel oils, diesel, petroleum, cleaning fluids Suction tube: approx. 850 mm Drum adaptor: 2" BSP Suction tube thread: 1/2" BSP Output: 125 ccm per stroke	
Lever operated oup LAP 125	34 633 04



Container Pumps

Description	Part No.
Images and specifications can be subject to change without notice	
Container Lift Pump KLP-C 25 for 20 - 30 litre plastic container Universal plastic pump LP-C compatible with chemicals, thinners, solvents, anti-freeze, detergents, AdBlue® and cleaning fluids. Compatibility with other fluids on request. Piston in stainless steel, incl. 2,0 m PVC-delivery hose with spout and connecting adapter for container with DIN 61 outlet Output: 250 ccm per stroke	
Container Lift Pump KLP-C 25	34 627 03
Container Hand Pump KHP 200 for 20 - 30 litre plastic container Hand pump with high quality steel pump incl. 1,5 m delivery hose and ball valve, with connecting adapter for container with DIN 61 outlet Output: 200 ccm per stroke	
KHP 200 with 1,5 m hose, ball valve and nozzle	34 637 00
Container Hand Pump KHP 202-G for 20 - 30 litre rectangular container Hand Pump with high quality steel pump incl. 1,5 m delivery hose and ball valve with special pump bracket Output: 200 cc per stroke	
KHP 202-G with 1,5 m hose, ball valve and nozzle	34 637 24
Container Hand Pump KHP 202 for 20 - 25 litre plastic container Hand pump with high quality steel pump incl. 1,5 m delivery hose and ball valve with special pump bracket Output : 200 ccm per stroke	
KHP 202 with 1,5 m hose, ball valve and nozzle	34 637 62
Container Hand Pump KHP 350 for 20 litre plastic drum ("Superfos") Hand pump with 1,5 meter rubber hose and ball valve for 20 Liter plastic Drum ("Superfos"), sturdy pump bracket. Output : 350 ccm per stroke	
KHP 350 with 1,5 m hose and ball valve	34 637 86
Delivery hose DN12 for Container Pumps Delivery hose 1,5 m, with ball valve, hoseclip and outlet nozzle for gear oil, suitable for container and barrel lever pumps Delivery hose DN12 for container pumps	
	34 620 86



Lever- and Barrel Pumps with Accessories

Description	Part No.
Images and specifications can be subject to change without notice	
Barrel Pump HP 202, stationary	
for 50-60 litre oil drums	
Hand operated pump with high quality steel pump unit, suitable for 50-60 litre drums incl. 2,0 m delivery hose and ball valve, with connecting adapter 2" to 40 mm Inner-Ø	
Fluids: Hydraulic oils, engine, gearbox up to high viscosity oils	
Output: 200 ccm per stroke	
Barrel Pump HP 202, stationary	34 637 93
Barrel Pump HP 202, mobile	
for 50-60 litre oil drums	
Hand operated pump with high quality steel pump unit, with robust, zinc plated trolley for 50-60 litre drums incl. 2,0 m delivery hose and ball valve, with connecting adapter 2" to 40 mm Inner-Ø	
Fluids: Hydraulic oils, engine, gearbox up to high viscosity oils	
Output: 200 ccm per stroke	
Barrel Pump HP 202, mobile	34 638 47
Oil Dispenser 24 l with Hand Pump, mobile	
Equipped with 2,5 m spiral hose, ball valve and curved spout	
Fluids: Diesel, engine, gearbox and hydraulic oils up to SAE 90	
Output: 250 ccm per stroke	
Oil Dispenser 24 l with Hand Pump, mobile	34 638 61
Pump Bracket for Hand Pumps	
Robust pump brackets in zinc plated steel. Bracket designed for container pumps include foam cuff to prevent spill.	
Pump bracket for container pump KHP 202-G	34 702 58
Pump bracket for container pump KHP 202	34 702 27
Pump bracket for container pump KHP 350	34 702 65
Pump bracket for 25-30 Liter oil drums, span 280-320 mm	34 702 10
Pump bracket for 50-60 Liter oil drums, span 350-390 mm	34 702 34
Adaptor	
Adaptor for container and barrel pumps	
Adaptor 2" BSP male to 40 mm inner-Ø	34 704 70
Adaptor 2" BSP female to 2" TriSure male	34 705 00
Adaptor 2" BSP female to 2" Mauser male	34 704 94
Adaptor 2" BSP female to DIN 61 female incl. gasket	34 704 87



mato



Pneumatic Pumps and Diaphragm Pumps

Description	Images and specifications can be subject to change without notice	Part No.
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pneuMATO Pneumatic Oil Pumps

Pressure ratios 1:1, 1:3 and 1:5, includes 2" BSP drum adaptor, item does not include further accessories.
Indicated flow rate applies in case of free delivery.

pneuMATO 1	oil pump 1:1, 25 l/min.	34 000 19
pneuMATO 3	oil pump 1:3, 18 l/min.	34 000 33
pneuMATO 5	oil pump 1:5, 17 l/min.	34 000 57

Pneumatic Double Diaphragm Pump DP-60

Designed for waste oil, lubricating oil, Anti-Freeze, water, diesel, heating oil and petrol (with ATEX 2 GD-Certification), suitable for fluids with a particle size of maximum 1,5 mm

Technical Data	
Delivery:	approx. 60 l/min. free delivery
Pressure ratio:	1:1
Max. working pressure:	8 bar
Inlet:	3/4"
Outlet:	3/4"
Air supply inlet:	1/4"
Weight:	7 kg
Body material:	Aluminium
Membrane:	NBR
Check ball:	Hytrel

Pneumatic double diaphragm pump DP-60	34 071 24
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Pneumatic Double Diaphragm Pump DP-60-T for mounting to 200 l Drum

Technical data as described above, but with steel suction tube and 2" adaptor for 200 litre drum

Pneumatic double diaphragm pump DP-60-T	34 071 62
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Pneumatic Double Diaphragm Pump DP-160

Designed for waste oil, ubricating oil, diesel and heating oil, Anti-Freeze, water, windscreen cleaner and various chemicals. Suitable for fluids with a particle size of maximum 2 mm.

Technical Data	
Delivery:	approx. 160 l/min. free delivery
Inlet:	1 1/4"
Outlet:	1 1/4"
Air supply inlet:	1/2"
Weight:	16 kg

Pneumatic double diaphragm pump DP-160	34 072 54
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Pneumatic Double Diaphragm Pump DP-50 PP

Designed for waste oil, lubricationg oil, diesel and heating Oil, Anti-Freeze, water, windscreen cleaner and various chemicals. Suitable for fluids with a particle size of maximum 1,5 mm.

Technical Data	
Delivery:	approx. 50 l/min. free delivery
Pressure ratio:	1:1
Max. working pressure:	8 bar
Inlet:	3/4"
Outlet:	1/2"
Air supply inlet:	1/4"
Weight:	7,5 kg
Body material:	Polypropylen
Membrane:	PTFE
Check ball:	Teflon

Pneumatic double diaphragm pump DP-50 PP	34 071 17
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It is important all pneumatic pumps are operated with an air management system: see part no. 39 902 20



Pneumatic Oil Pumps, Oil Dispenser

Description	Part No.
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Images and specifications can be subject to change without notice

Oil Dispenser 24 l pneumatic, Mobile

Includes pressure relief valve, 2,5 m spiral hose and nozzle with manual drip stop

Fluids:
Diesel, engine, gearbox and hydraulic oils up to SAE 90

Maximum air inlet pressure: 8 bar
Flow rate: approx. 2 l/min.

Oil dispenser 24 l pneumatic, mobile 34 001 25

pneuMATO-Pneumatic Oil Pumps, Drum Fitting for 50/60 and 200 litre oil drums

Pneumatic oil pump with telescopic suction tube and suction filter, adjustable from 520 mm to 800 mm, for variable use with 50/60 litre or 200 litre oil drums, 2,0 m pressure hose DN12 (1/2") with swivel nut for easy and simple installation

either with
- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle

for 50 litre drums pump bracket 34 702 34 is additionally required.

pneuMATO 1 - with oil control gun and engine oil nozzle 34 001 01
pneuMATO 3 - with oil control gun and engine oil nozzle 34 001 70
pneuMATO 3 - with Digimet E35 and engine oil nozzle 34 002 48

pneuMATO Oil Pump System, Mobile for 50/60 litre oil drums

Item as described above, but with robust, zinc plated trolley, completed by barrel fixing bracket.

pneuMATO 1 - mobile with oil control gun and engine oil nozzle 34 003 30
pneuMATO 3 - mobile with oil control gun and engine oil nozzle 34 003 78
pneuMATO 3 - mobile with Digimet E35 and engine oil nozzle 34 004 60

pneuMATO 3 - Pneumatic Oil Pump for wall mounting, oil drum size 200 litre

Oil pump pneuMATO 1:3 with wall bracket

Suction tube with foot valve and suction hose DN 20 (3/4") 2,0 m, for approved unit with air eliminator valve. Connecting hose 1 m DN12 (1/2") for hose reel, hose reel with 10 m delivery hose DN12 (1/2")

either with
- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

pneuMATO 3 - wall mounted with oil control gun 34 007 12
pneuMATO 3 - wall mounted with DIGIMET E35 34 007 50
pneuMATO 3 - wall mounted with DIGIMET E30 Preset 34 007 81
pneuMATO 3 - wall mounted with electronic meter, approved 34 007 98



Pneumatic Oil Pumps

Description	Part No.
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Images and specifications can be subject to change without notice

pneuMATO 3 Oil Pump System, stationary

for 200 litre drum with 4 m delivery hose

Oil pump pneuMATO 1:3 with pressure ratio 1:3,
steel suction tube for 200 litre drum with foot valve,
for approved unit with air eliminator valve,
4 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter, approved version



Lube-Station P-200-4 with oil control gun	34 024 19
Lube-Station P-200-4 with DIGIMET E35	34 024 88
Lube-Station P-200-4 with DIGIMET E30 Preset	34 002 86
Lube-Station P-200-4-E, with electronic Meter, approved	34 032 25

pneuMATO 3 Oil Pump System, stationary

for 200 litre drum with 8 m delivery hose

Oil pump pneuMATO 1:3 with pressure ratio 1:3,
steel suction tube for 200 litre drum with foot valve,
for approved unit with air eliminator valve,
8 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter, approved version



Lube-Station P-200-8 with oil control gun	34 025 49
Lube-Station P-200-8 with DIGIMET E35	34 024 95
Lube-Station P-200-8 with DIGIMET E30 Preset	34 025 63
Lube-Station P-200-8-E, with electronic meter, approved	34 032 32

Pneumatic Oil Pumps

Description	Images and specifications can be subject to change without notice	Part No.
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pneuMATO 3 Oil Pump System, mobile

for 200 litre drum with 4 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 200 litre drum with foot valve,
for approved unit with air eliminator valve,
robust trolley with holster for control valve,
black painted, 2 wheels, 1 swivel castor
4 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

All versions also available with

**Premium trolley, 2 puncture-proof PU-foamed wheels
and 2 lockable swivel castors**

additional charge (see page 73)

pneuMATO 3, mobile with hose reel and oil control gun	34 008 04
pneuMATO 3, mobile with hose reel and DIGIMET E35	34 008 42
pneuMATO 3, mobile with hose reel and DIGIMET E30 Preset	34 004 08
pneuMATO 3, mobile with hose reel and electronic meter	34 033 48

pneuMATO 3 Oil Pump System, mobile

for 200 litre drum with 10 m hose reel, DN12

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 200 litre drum with foot valve,
for approved unit with air eliminator valve,
robust trolley with holster for control valve,
black painted, 2 wheels, 1 swivel castor,
hose reel, open, with 10 m delivery hose DN12 (1/2")

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

All versions also available with

**Premium trolley, 2 puncture-proof PU-foamed wheels
and 2 lockable swivel castors**

additional charge (see page 73)

pneuMATO 3, mobile with hose reel and oil control gun	34 008 59
pneuMATO 3, mobile with hose reel and DIGIMET E35	34 008 80
pneuMATO 3, mobile with hose reel and DIGIMET E30 Preset	34 008 97
pneuMATO 3, mobile with hose reel and electronic meter	34 033 62



Pneumatic Oil Pumps

Description	Images and specifications can be subject to change without notice	Part No.
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pneuMATO 3 Oil Pump System, stationary

for 1.000 litre tank with 4 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 1.000 litre tank with foot valve,
for approved unit with air eliminator valve,
4 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available for a 700 litre tank,
price available upon request.

(Tank not included)



Lube-Station P-1000-4 with oil control gun	34 025 87
Lube-Station P-1000-4 with DIGIMET E35	34 024 40
Lube-Station P-1000-4 with DIGIMET E30 Preset	34 026 31
Lube-Station P-1000-4-E with electronic meter	34 033 00

pneuMATO 3 Oil Pump System, stationary

for 1.000 litre tank with 8 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 1.000 litre tank with foot valve,
for approved unit with air eliminator valve,
8 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available for a 700 litre tank,
price available upon request.

(Tank not included)



Lube-Station P-1000-8 with oil control gun	34 026 00
Lube-Station P-1000-8 with DIGIMET E35	34 024 57
Lube-Station P-1000-8 with DIGIMET E30 Preset	34 026 17
Lube-Station P-1000-8-E with electronic meter	34 033 17



Pneumatic Oil Pumps

Description	Part No.
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Images and specifications can be subject to change without notice

pneuMATO 3 - Compact Air Operated Oil Systems

with 1.000 litre tank and 4 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 1.000 litre tank with foot valve,
for approved unit with air eliminator valve, double skinned
1.000 litre oil and waste oil tank, transportable with forklift,
including level indicator, drip tray with holder,
4 m delivery hose DN12 (1/2") with swivel nut
either with
- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available with a 700 litre tank,
price available upon request.

Lube-Tank P-1000T-4 with oil control gun	34 026 55
Lube-Tank P-1000T-4 with DIGIMET E35	34 025 70
Lube-Tank P-1000T-4 with DIGIMET E30 Preset	34 026 62
Lube-Tank P-1000T-4-E with electronic meter	34 034 30



pneuMATO 3 - Compact Air Operated Oil Systems

with 1.000 litre tank and 8 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 1000 Liter Tank with foot valve,
for approved unit with air eliminator valve, double skinned
1.000 litre oil and waste oil tank, transportable with forklift,
including level indicator, drip tray with holder,
8 m delivery hose DN12 (1/2") with swivel nut
either with
- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available with a 700 litre tank,
price available upon request.

Lube-Tank P-1000T-8 with oil control gun	34 026 79
Lube-Tank P-1000T-8 with DIGIMET E35	34 025 94
Lube-Tank P-1000T-8 with DIGIMET E30 Preset	34 026 86
Lube-Tank P-1000T-8-E with electronic meter	34 034 78



pneuMATO 3 - Compact Air Operated Oil Systems

with 1.000 litre tank and 10m hose reel, DN 12

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 1.000 litre tank with foot valve,
for approved unit with air eliminator valve, double skinned
1.000 litre oil and waste oil tank, transportable with forklift,
including level indicator, drip tray with holder,
hose reel, open, with 10 m delivery hose DN12 (1/2")

either with
- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available with a 700 litre tank,
price available upon request.

Lube-Tank P-1000T-R with oil control gun	34 026 93
Lube-Tank P-1000T-R with DIGIMET E35	34 027 30
Lube-Tank P-1000T-R with DIGIMET E30 Preset	34 027 09
Lube-Tank P-1000T-R-E with electronic meter	34 035 60



Pneumatic Oil Pumps for IBC-Container

Description	Part No.
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Images and specifications can be subject to change without notice

pneuMATO 3 Oil Pump System, stationary

for 1.000 l IBC-container with 4 m delivery hose

Oil ump pneuMATO 1:3, pressure ratio 1:3,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC-Container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder,
4 m delivery hose DN12 (1/2") with swivel nut

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter

(IBC-container not included)



Lube-Station IBC-1000-4 with DIGIMET E35	34 010 09
Lube-Station IBC-1000-4-E with electronic meter	34 010 23

pneuMATO 3 Oil Pump System, stationary

for 1.000 l IBC-Container with 10 m Hose Reel DN12

Oil pump pneuMATO 1:3, pressure ratio 1:3,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC-Container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder,
hose reel, open, with 10 m delivery hose DN12 (1/2")

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter

(IBC-container not included)



Lube-Station IBC-1000-R with DIGIMET E35	34 011 08
Lube-Station IBC-1000-R-E with electronic meter	34 011 22



Pneumatic Pumps Units for Anti-Freeze

Description	Part No.
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Images and specifications can be subject to change without notice

pneuMATO 1-AF Pump System Unit, stationary
for Anti-Freeze with 4 m delivery hose

Oil pump pneuMATO 1, pressure ratio 1:1,
steel suction tube with foot valve,
4 m delivery hose DN12 (1/2") with swivel nut,
hose end meter DIGIMET E35-AF

pneuMATO 1-AF for 200 litre drum	34 040 24
pneuMATO 1-AF for 1000 litre tank	34 040 48

pneuMATO 1-AF Pump System, mobile
for Anti-Freeze, fits 200 litre drum

Oil pump pneuMATO 1, pressure ratio 1:1,
steel suction tube with foot valve,
4 m delivery hose DN 12 (1/2") with swivel nut **or**
hose reel, open, with 10 m delivery hose DN 12 (1/2"),
robust trolley with holster for control valve, black painted,
2 wheels, 1 swivel castor, hose end meter DIGIMET E35-AF

All versions also available with
Premium trolley, 2 puncture-proof PU-foamed wheels
and 2 lockable swivel castors
additional charge (see page 73)

pneuMATO 1-AF mobile with 4 m delivery hose DN12	34 040 79
pneuMATO 1-AF mobile with 10m hose reel DN12	34 040 93

pneuMATO 1-AF Compact Air Operated System
for Anti-Freeze, with 1.000 l tank

Oil pump pneuMATO 1, pressure ratio 1:1,
steel suction tube with foot valve,
4 m delivery hose DN 12 (1/2") with swivel nut **or**
hose reel, open, with 10m delivery hose DN 12 (1/2"),
1000 litres oil and waste oil tank, transportable with
forklift, including level indicator, drip tray with holder,
hose end meter DIGIMET E35-AF

Lube-Tank AF-1000-T-4 with 4 m delivery hose DN12	34 041 16
Lube-Tank AF-1000-T-R with 10m hose reel DN12	34 041 30

pneuMATO 1-AF Pump System Unit, stationary
for Anti-Freeze, fits 1.000 litre IBC-container

Oil pump pneuMATO 1, pressure ratio 1:1,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC-container with foot valve,
4 m delivery hose DN 12 (1/2") with swivel nut **or**
hose reel, open, with 10 m delivery hose DN12 (1/2"),
drip tray with holder, hose end meter DIGIMET E35-AF

(IBC-Container not included)

Lube-Station AF-IBC-1000-4 with 4 m delivery hose DN12	34 042 15
Lube-Station AF-IBC-1000-R with 10 m hose reel DN12	34 042 46



Accessories for Pneumatic Oil Pumps

Description	Part No.
Images and specifications can be subject to change without notice	
Steel Suction Tube for Air Operated Oil Pumps	
Thread 3/4" BSP	
Suction tube for 50/60 litre drum	35 618 26
Suction tube for 200 litre drum	35 619 25
Suction tube for 700 litre Schütz tank	35 619 87
Suction tube for 1000 litre Schütz or Roth tank	35 619 49
Suction tube for 1000 litre IBC-container	35 619 63
Plastic Suction Tube for Air Operated Oil Pumps	
Thread 3/4" BSP	
Plastic telescopic suction tube (520 - 860 mm) with suction filter	35 601 02
Extension tube, PVC, 400 mm	35 600 10
Steel Suction Tube 3/4" BSP	
with air eliminator valve	
For pump installations with PTB / B.O.T. approval	
Suction tube with air eliminator valve for 50/60 litre drum	35 619 01
Suction tube with air eliminator valve for 200 litre drum	35 619 18
Suction tube with air eliminator valve for 700 litre Schütz tank	35 619 70
Suction tube with air eliminator valve for 1000 litre Schütz tank	35 621 06
Suction tube with air eliminator valve for 1000 litre IBC-container	35 620 90
2" BSP Right Angle Drum Fitting with Elbow 90°	
1" male to 3/4" female	
Right angled drum fitting 2" BSP with elbow 90°	34 704 18
Steel Suction Tube + 2 m Suct.Hose DN 20 (3/4")	
for 200 litre drums, in case pump mounted aside of drum	
Suction tube with foot valve, 2" BSP Drum Adaptor, 90° elbow and suction hose DN 20 (3/4"), 2 meters long	
Suction tube and suction hose with foot valve	34 704 56
Connecting Hose DN20 2,0 m	
with 1" swivel nuts, i.e. for connecting pump to suction tube	
Connecting hose DN20 2,0 m	34 712 00
Delivery Hose DN12 (1/2")	
with 1/2" Swivel Nuts	
i. e. for connecting pump to hose end meter	
Hose length 1,0 m	34 710 02
Hose length 2,0 m	34 710 26
Hose length 4,0 m	34 710 40
Hose length 8,0 m	34 710 64
Hose length 10,0 m	34 710 88
Pump Bracket	
Angled wall bracket with thread R2" female, and for 50/60 litre oil drums	
Wall bracket for wall mounting	34 702 72
Pump bracket for 50/60 litre oil drums, 350 - 390 mm	34 702 34



Accessories for Pneumatic Oil Pumps

Description	Part No.
Images and specifications can be subject to change without notice	
Air Management System	
For installation in the air supply to pneumatic pumps, with pressure regulator, pressure gauge, water filter and lubricator. It is important that all pneumatic pumps are operated with an air management system to secure the supply of clean, dry and oiled air. Please consult the operation manuals of the pneumatic pumps to see warranty statements.	
Air management system	39 902 20
Trolley for 25-60 Litre Oil Containers	
Robust, zinc plated trolley complete with barrel fixing bracket	
Trolley for 25-60 litres oil containers	34 700 74
Trolley for 200 l Oil Drums or 200 kg Grease Drums	
Standard-Trolley for 200 litre / 180 kg drums, black painted , robust all steel construction, 2 hard rubber wheels , 1 lockable swivel castor and holster for control valve.	
Premium-Trolley for 200 litre / 180 kg drums, black painted , robust all steel construction, 2 puncture-proof PU-foamed wheels , 2 lockable swivel castor and holster for control valve.	
Standard-Trolley for 200 litre / 180 kg drums	34 701 80
PremiumTrolley for 200 litre / 180 kg drums	34 701 66
Screw Cap for IBC-Container	
Screw cap for IBC container, includes 2" TriSure adaptor (male) to 2" BSP (female)	
Screw Cap for IBC-Container	34 705 24
2" TriSure-Adaptor (male) to 2" BSP (female)	
2" TriSure-Adaptor (male) to 2" BSP (female) for units with 2" drum adaptor	
2" TriSure adaptor (male) to 2" BSP (female), orange	34 705 00
Suction Hose DN 20 for double diaphragm pump DP-60	
1,5 m suction hose DN 20, single sided DKR 3/4" with 2" drum adaptor with suction filter and foot valve	
Suction hose DN 20	34 711 25
Delivery Hose DN 20 for double diaphragm pump DP-60	
Delivery hose DN 20, double sided DKR 3/4"	
Delivery hose DN 20 4,0 m for DP-60	34 713 54
Delivery hose DN20 8,0 m for DP-60	34 713 92
Double Ended Connector	
Designed for DP-60	
Double ended connector 3/4"-3/4" AG	39 913 40
Ball Valve Nozzle Assembly for double diaphragm pump DP-60	
Ball valve with nozzle for gear oil. Thread: R3/4" female	
Ball valve nozzle assembly	34 620 48



mato



Electric Pumps for Engine, Gearbox and Hydraulic Oil

Description	Images and specifications can be subject to change without notice	Part No.
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Electric Gear Pump EP 100

11 l/min. 8 bar

Self priming gear pump, with 3 m cable for mains connection, integrated by-pass pressure regulator and protected on/off switch, for engine, gearbox and hydraulic oils of low to medium viscosity. Not suitable for high flow resistance and long oil promotion distances, offers **moderate pressure performance at moderate flow rate.**

For fluids Hazard Class A3 with a flash point higher than 55° C.

Output: approx. 11 l/min. (SAE30 at free flow)
Max. pressure: approx. 8 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 2.9A, 0.37kW, IP55
Threads: 3/4" (outlet) / 1" (inlet)

Electric Gear Pump EP 100 34 339 32

Electric Gear Pump EP 200

11 l/min. 16 bar

Pump features are as described above, but designed for use at increased flow resistance and/or long oil promotion distance. For engine, gear and hydraulic oils of higher viscosity, offers **high pressure performance at moderate flow rate.**

Output: approx. 11 l/min. (SAE30 at free flow)
Max. pressure: approx. 16 bar, Suction height up to 2,5 m
Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric Gear Pump EP 200 34 339 63

Electric Gear Pump EP 300

22 l/min. 8 bar

Pump features are as described above, but designed for engine, gearbox and hydraulic oils of low to medium viscosity. Not suitable for high resistance and long oil promotion distances, offers **moderate pressure performance at a high flow rate.**

Output: approx. 22 l/min. (SAE30 at free flow)
Max. pressure: approx. 8 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 2.9A, 0.37kW, IP55

Electric Gear Pump EP 300 34 340 14

Electric Gear Pump EP 400

22 l/min. 16 bar

Pump features are as described above, but designed for use at increased flow resistance and/or long oil promotion distance. For engine, gear and hydraulic oils of higher viscosity, offers **high pressure performance at high flow rate.**

Output: approx. 22 l/min. (SAE30 at free flow)
Max. pressure: approx. 16 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric Gear Pump EP 400 34 340 76

Operating advice:

The self-priming electrig gear-wheel pumps EP are designed to transfer and dispense oil. An integrated bypass-valve limits the max. oil pressure. The pumps feature a protected switch and must be shut off after operation. Do not let the pumps run more than 5 minutes in by-pass mode against the closed dispense nozzle. If required, the pump can be upgraded with a pressure relieve device (see page 77 - Art.-Nr. 34 336 97).

EP 100 and EP 300 are suitable for use with engine, gear and hydraulic oils from low to moderate viscosity. They are not supposed to be used with hose reels and/or set-ups of long oil promotion distances.

EP 200 and EP 400 are suitable for use with engine, gear and hydraulic oils from low to high viscosity. The achievable pressure rate of 16 bar allows their use with hose reels and/or set-ups of long oil promotion distances.



Electric Pumps for Engine, Gearbox and Hydraulic Oil

Description	Images and specifications can be subject to change without notice	Part No.
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Electric Gear Pump EP 200-DS

11 l/min. 16 bar with pressure-switch control
Self priming gear pump, technically identical to basic model EP 200 (p. 75), without accessories, but **equipped with pressure-switch control and pressure-relief device** (please see operating advice and p. 77 - Art.-Nr. 34 336 97).

For fluids Hazard Class A3 with a flash point higher than 55° C.
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 11 l/min. (SAE30 at free flow)
Max. pressure: approx. 16 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55



Electric Gear Pump EP 200-DS **34 339 87**

Electric Gear Pump EP 300-DS

22 l/min. 8 bar with pressure-control switch
Self priming gear pump, technically identical to basic model EP 300 (p. 75), without accessories, but **equipped with pressure-switch control and pressure-relief device** (please see operating advice and p. 77 - Art.-Nr. 34 336 97).

For fluids Hazard Class A3 with a flash point higher than 55° C.
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 22 l/min. (SAE30 at free flow)
Max. pressure: approx. 8 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 2.9A, 0.37kW, IP55



Electric Gear Pump EP 300-DS **34 340 38**

Electric Gear Pump EP 400-DS

22 l/min. 16 bar with pressure-switch control
Self priming gear pump, technically identical to basic model EP 300 (p. 75), without accessories, but **equipped with pressure-switch control and pressure-relief device** (please see operating advice and p. 77 - Art.-Nr. 34 336 97).

For fluids Hazard Class A3 with a flash point higher than 55° C.
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 22 l/min. (SAE30 at free flow)
Max. pressure: approx. 16 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55



Electric Gear Pump EP 400-DS **34 340 90**

Operating advice:

The self-priming electric EP gear-wheel pumps are designed to transfer and dispense oil. An integrated bypass-valve limits the max. oil pressure, the pumps are pressure-switch controlled. When the filling gun is closed (pressure builds up), the pump switches off, when the filling gun is opened (pressure decrease) , the pump starts to run. Additionally, the pumps come with a pressure relief device (see p. 77 - Art.-No. 34 336 97), which reduces oil pressure inside the system when pumps stand idle, and allow to vent trapped air, i.e. after drum change. After operation (end of shift) the pumps must be switched off and separated from the mains supply.

EP 300-DS is suitable for use with engine, gear and hydraulic oils from low to moderate viscosity.
It is not supposed to be used with hose reels and/or set-ups of long oil promotion distances.

EP 200-DS and EP 400-DS are suitable for use with engine, gear and hydraulic oils from low to high viscosity.
The achievable pressure rate of 16 bar allows their use with hose reels and/or set-ups of long oil promotion distances.

Please consider that hose and tube diameter, changes in flow direction , promotion distances, oil viscosity and ambient temperatures significantly determine the system's flowrate. In case of doubt please consult with MATO.

Electric Pumps for Engine, Gearbox and Hydraulic Oil

Description	Images and specifications can be subject to change	Part No.
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Electric Gear Pump system EP200-electronic

11 l/min. 16 bar

Self priming gear pump, technically identical to basic model EP 200, but equipped with electronic pump switch management based on pressure- and flow rate (Impulse Control), pressure relief device, and leakage protection (for details see operating advice below). Offers **high pressure performace at moderate flow rate**

For fluids Hazard Class A3 with a flash point higher than 55° C
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 11 l/min. (SAE30 at free delivery)
Max. Pressure: approx. 16 bar, Suction head to 2,5 m
Electric Data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric Gear Pump system EP200-electronic 34 368 03

Electric Gear Pump system EP400-electronic

22 l/min. 16 bar

Self priming gear pump, technically identical to basic model EP 400, but equipped with electronic pump switch management based on pressure- and flow rate (Impulse Control), pressure relief device, and leakage protection (for details see operating advice below). Offers **high pressure performace at high flow rate**

For fluids Hazard Class A3 with a flash point higher than 55° C
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 22 l/min. (SAE30 at free delivery)
Max. Pressure: approx. 16 bar, Suction head to 2,5 m
Electric Data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric Gear Pump system EP 400-electronic 34 368 10

Pressure relief device for MATO EP pumps

The device reduces internal system oil pressure when the pumps stands idle and allows to vent trapped air, i.e. after drum change or common system start-up. The product works with MATO EP pumps, starting year 6/2018. During system operation some oil re-flows into the drum. For this reason it is indispensable the reflow hose (1.5 m) is connected to the drum/reservoir.

The device comes with a 2" and 3/4" threaded connector for drum and tank mounting

Pressure relief device for MATO EP pumps 34 336 97

Operating advice:

The self-priming electric gear-wheel pumps EP 200- and EP 400-electronic are designed to transfer and dispense oil from low to high viscosity, at moderate or high flow rates. The high pressure output combined with an electronic pump management through electronically controlled switch behavior makes the pumps particularly suitable for the use with hose reels or for long promotion distances. When the filling gun is closed (pressure builds up), the pump is safely switched off, when the filling gun is opened (pressure decrease), the switch control monitors the flow rate, which is influenced by viscosity, hose diameter, temperature, and operates accordingly. The electronic switch control represents a significant performance increase as compared to electric gear wheel pumps without this feature. Part of the electronic pump management is a leakage protection through the limitation of the pump`s runtime that prevents unwanted promotion. The adjustment works in 7 steps, from 2 to 25 minutes, or shut-off.

A pressure relief device (as described above - Art.-Nr. 34 336 97) is integral part of the electronically managed EP pump.

Please consider that hose and tube diameter, changes in flow direction, promotion distances, oil viscosity and ambient temperatures significantly determine the system`s flowrate. In case of doubt please consult with MATO.



Version feature leakage protection



Electric Gear Pump Systems for Engine, Gearbox and Hydraulic Oil

Description	Part No.	EUR / Unit
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Images and specifications can be subject to change without notice

Electric Gear Pump System EP100

for 200 litre drum with 4 m delivery hose DN 12

Oil pump EP 100, steel suction tube for 200 litres drum, with 2" drum adaptor and foot valve, 4 m delivery hose DN12 (1/2") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle

Output: approx. **11 l/min.** (SAE30 at free delivery)
Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP100 Lube-Station E-200-4 with oil control gun	34 337 10
EP100 Lube-Station E-200-4 with DIGIMET E35	34 337 34

Electric Gear Pump System EP100

for 1.000 litre tank with 4 m delivery hose DN 12

Item as described above, but with steel suction tube for 1000 litres tank

(Tank, bracket and drip tray not included)

The system is also available for a 700 l tank, price available upon request

EP100 Lube-Station E-1000-4 with oil control gun	34 337 58
EP100 Lube-Station E-1000-4 with DIGIMET E35	34 337 72

Electric Gear Pump System EP300

for 200 litres drum with 4 m delivery hose DN 20

Oil pump EP 300, steel suction tube for 200 litres drum, with 2" drum adaptor and foot valve, **for approved unit with air eliminator valve**, 4 m delivery hose DN20 (3/4") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **22 l/min.** (SAE30 at free delivery)
Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP300 Lube-Station E-200-4 with oil control gun	34 341 06
EP300 Lube-Station E-200-4 with DIGIMET E35	34 341 44
EP300 Lube-Station E-200-4-E with electronic meter	34 352 40

Electric Gear Pump System EP300

for 1.000 litre tank with 4 m delivery hose DN 20

Item as described above, but with steel suction tube for 1000 litres tank

(Tank, bracket and drip tray not included)

The system is also available for a 700 l tank, price available upon request

EP300 Lube-Station E-1000-4 with oil control gun	34 341 20
EP300 Lube-Station E-1000-4 with DIGIMET E35	34 341 82
EP300 Lube-Station E-1000-4-E with electronic meter	34 356 60



Electric Gear Pump Systems for Engine, Gearbox and Hydraulic Oil

Description	Part No.
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Electric Gear Pump System EP300-DS

for 200 litre drum with pressure switch

Oil pump EP 300-DS, steel suction tube for 200 litre drum, with 2" drum adaptor and foot valve, for approved unit with air eliminator valve, 4 m delivery hose DN20 (3/4") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. 22 l/min. (SAE30 at free delivery)
Max. pressure: approx. 8 bar, suction height up to 2,5 m

EP300-DS Lube-Station E-200-4 with Oil control gun	34 342 36
EP300-DS Lube-Station E-200-4 with DIGIMET E35	34 341 99
EP300-DS Lube-Station E-200-4-E, with electronic Meter	34 353 70

Electric Gear Pump System EP300-DS

for 1.000 litre tank with pressure switch

Item as described above, but with steel suction tube for 1000 litre tank for approved unit with air eliminator valve

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

(Tank, bracket and drip tray not included)

The system is also available with a 700 l tank, price available upon request

EP300-DS Lube-Station E-1000-4 with oil control gun	34 342 50
EP300-DS Lube-Station E-1000-4 with DIGIMET E35	34 342 12
EP300-DS Lube-Station E-1000-4-E with electronic meter	34 359 50



Electric Gear Pump Systems for Engine, Gearbox and Hydraulic Oil

Description	Part No.
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Images and specifications can be subject to change without notice

Electric Gear Pump System EP100-F, mobile

for 200 litre drum with 4 m delivery hose DN 12

Oil pump EP 100, steel suction tube for 200 litre drum with 2" drum adaptor and foot valve, 4 m delivery hose DN12 (1/2") with swivel nut robust trolley with holster for control valve, black painted, 2 wheels, 1 swivel castor

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle

All versions also available with

Premium trolley, 2 puncture-proof PU-foamed wheels and 2 lockable swivel castors

additional charge (see page 73)

Output: **approx. 11 l/min.** (SAE30 at free delivery)

Max. pressure: **approx. 8 bar**, suction height up to 2,5 m

EP100-F, mobile E-200-4 with oil control gun 34 338 19

EP100-F, mobile E-200-4 with DIGIMET E35 34 338 33



Electric Gear Pump System EP200-F, mobile

for 200 litre drum with 10 m hose reel, DN 12

Oil pump EP 200, steel suction tube for 200 litre drum with 2" drum adaptor and foot valve, **for approved unit with air eliminator valve**, robust trolley with holster for control valve, black painted, 2 wheels, 1 swivel castor, hose reel, open, with 10 m delivery hose DN12 (1/2")

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **11 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **16 bar**, suction height up to 2,5 m

EP200-F, mobile E-200-R with oil control gun 34 338 57

EP200-F, mobile E-200-R with DIGIMET E35 34 338 71

EP200-F, mobile E-200-R-E with electronic meter 34 338 95



Electric Gear Pump System EP300-F, mobile

for 200 litre drum with 4 m delivery hose DN 20

Oil pump EP 300, steel suction tube for 200 litre drum with 2" drum adaptor and foot valve, **for approved unit with air eliminator valve**, 4 m delivery hose DN20 (3/4") with swivel nut robust trolley with holster for control valve, black painted, 2 wheels, 1 swivel castor

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **22 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP300-F, mobile E-200-4 with oil control gun 34 343 59

EP300-F, mobile E-200-4 with DIGIMET E35 34 343 80

EP300-F, mobile E-200-4-E with electronic meter 34 366 50



Compact Electric Oil Pump Systems

Description	Part No.
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Images and specifications can be subject to change without notice

Electric Gear Pump System EP100

with 1.000 litre tank and 4 m delivery hose DN12

Oil pump EP 100, steel suction tube for 1000 litre tank
with 2" drum adaptor and foot valve,
for approved unit with air eliminator valve,
4 m delivery hose DN12 (1/2") with swivel nut,
1.000 litre oil and waste oil tank, transportable
by forklift, including level indicator,
drip tray with holder, pump bracket

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **11 l/min.** (SAE30 at free delivery)
Max. pressure: approx. **8 bar**, suction height up to 2,5 m



EP100 Lube-Tank E-1000T-4 with Oil control gun	34 345 26
EP100 Lube-Tank E-1000T-4 with DIGIMET E35	34 345 33
EP100 Lube-Tank E-1000T-4-E with electronic meter, approved	34 360 63

Electric Gear Pump System EP300

with 1.000 litre tank and 4 m delivery hose DN20

Oil pump EP 300, steel suction tube for 1000 litre tank
with 2" drum adaptor and foot valve,
for approved unit with air eliminator valve,
4 m delivery hose DN20 (3/4") with swivel nut,
1.000 litre oil and waste oil tank, transportable
by forklift, including level indicator,
drip tray with holder, pump bracket

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **22 l/min.** (SAE30 at free delivery)
Max. pressure: approx. **8 bar**, suction height up to 2,5 m



EP300 Lube-Tank E-1000T-4 with oil control gun	34 345 57
EP300 Lube-Tank E-1000T-4 with DIGIMET E35	34 345 40
EP300 Lube-Tank E-1000T-4-E with electronic meter, approved	34 360 70

Compact Electric Oil Pump Systems

Description	Images and specifications can be subject to change without notice	Part No.
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Compact Electric Oil Pump System EP200

with 1.000 l tank and 10 m hose reel, DN12

Oil pump EP 200, steel suction tube for 1000 litre tank with 2" drum adaptor and foot valve, for approved unit with air eliminator valve, hose reel, open with 10 m delivery hose DN12 (1/2") 1.000 litre oil and waste oil tank, transportable by forklift, including level indicator, drip tray with holder, pump bracket

- either with
- DIGIMET E35 hose end meter with engine oil nozzle
 - Electronic hose end meter, approved version

Output: approx. 11 l/min. (SAE30 at free delivery)
Max. pressure: approx. 16 bar, suction height up to 2,5 m

EP200 Lube-Tank E-1000T-R with DIGIMET E35	34 348 16
EP200 Lube-Tank E-1000T-R-E with electronic meter	34 362 85

Compact Electric Oil Pump System EP200-DS

with 1.000 l tank, pressure switch and hose reel

as described above,
but with pressure switch

Output: approx. 11 l/min. (SAE30 at free delivery)
Max. pressure: approx. 16 bar, suction height up to 2,5 m

EP200-DS Lube-Tank E-1000T-R with DIGIMET E35	34 348 23
EP200-DS Lube-Tank E-1000T-R-E with electronic meter	34 364 76

Compact Electric Oil Pump System EP400

with 1.000 l tank and 8 m hose reel, DN16

Oil pump EP 400, steel suction tube for 1000 litre tank with 2" drum adaptor and foot valve, for approved unit with air eliminator valve, hose reel, open with 8 m delivery hose DN16 (3/4"), 1.000 litre oil and waste oil tank, transportable by forklift, including level indicator, drip tray with holder, pump bracket

- either with
- DIGIMET E35 hose end meter with engine oil nozzle
 - Electronic hose end meter, approved version

Output: approx. 22 l/min. (SAE30 at free delivery)
Max. Pressure: approx. 16 bar, Suction head to 2.5 m

EP400 Lube-Tank E-1000T-R with DIGIMET E35	34 348 30
EP400 Lube-Tank E-1000T-R-E with electronic meter	34 363 60

Compact Electric Oil Pump System EP400-DS

with 1.000 l tank, pressure switch and hose reel

as described above,
but with pressure switch

Output: approx. 22 l/min. (SAE30 at free delivery)
Max. pressure: approx. 16 bar, suction height up to 2,5 m

EP400-DS Lube-Tank E-1000T-R with DIGIMET E35	34 349 60
EP400-DS Lube-Tank E-1000T-R-E with electronic meter	34 364 90



Electric Oil Pump Systems for IBC-Container

Description	Part No.
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Images and specifications can be subject to change without notice

Electric Gear Pump System EP100-IBC

for 1.000 l IBC container with 4 m delivery hose

Electric oil pump EP 100,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder, 4 m delivery hose DN12 (1/2") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

(IBC container not included)

Output: approx. **11 l/min.** (SAE30 at free delivery)
Max. pressure: approx. **8 bar**, suction height up to 2,5 m



EP100-IBC Lube-Station E-1000-4 with oil control gun	34 037 20
EP100-IBC Lube-Station E-1000-4 with DIGIMET E35	34 037 51
EP100-IBC Lube-Station E-1000-4-E with electronic meter	34 037 82

Electric Gear Pump System EP400-IBC

for 1.000 l IBC container with 8 m hose reel, DN16

Electric oil pump EP 400,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder,
Hose Reel, open with 8 m delivery hose DN16 (3/4")

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

(IBC container not included)

Output: approx. **22 l/min.** (SAE30 at free delivery)
Max. pressure: approx. **16 bar**, suction height up to 2,5 m



EP400-IBC Lube-Station E-1000-R with DIGIMET E35	34 038 05
EP400-IBC Lube-Station E-1000-R-E with electronic meter	34 039 04

Accessories for Electric Gear Pumps

Description	Images and specifications can be subject to change without notice	Part No.
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Steel Suction Tube for Electric Pumps

with 2" drum adaptor

Steel suction tube with 2" drum adaptor, thread 1"

Steel suction tube for 50/60 litre drum	35 620 21
Steel suction tube for 200 litre drum	35 620 38
Steel suction tube for 700 litre tank	35 620 52
Steel suction tube for 1000 litre tank and IBC container	35 620 76

Steel Suction Tube for approved Electric Pumps

with air elimination valve

Suction tubes for approved electric pump systems, with 2" drum adaptor

Suction tube with air eliminator valve for 50/60 litre drum	35 618 95
Suction tube with air eliminator valve for 200 litre drum	35 619 94
Suction tube with air eliminator valve for 700 litre tank	35 619 56
Suction tube with air elimin. valve for 1000 l tank and IBC container	35 619 32

Suction Hose DN 25

with both ends 1" swivel nuts

Suction hose 500 mm R1" straight	34 712 24
Suction hose 2000 mm R1", 90° elbow at one end	34 712 48

Delivery Hose DN 20

with both ends 3/4" swivel nuts

Delivery hose DN20 3/4", swivel nuts, 1,5 m	34 713 16
Delivery hose DN20 3/4", swivel nuts, 4,0 m	34 713 54
Delivery hose DN20 3/4", swivel nuts, 8,0 m	34 713 92

Trolley for 200 litre Oil / 180 kg Grease Drums

Standard-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 hard rubber wheels**, **1 lockable swivel castor** and holster for control valve.

Premium-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 puncture-proof PU-foamed wheels**, **2 lockable swivel castor** and holster for control valve.

Standard-Trolley for 200 litre / 180 kg drums	34 701 80
PremiumTrolley for 200 litre / 180 kg drums	34 701 66



Accessories for Electric Gear Pumps

Description	Images and specifications can be subject to change without notice	Part No.
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Pumps Brackets for Electric Pumps
and hose reels

Suitable for 700 und 1000 litre oil and waste oil tanks

Pump bracket for Schütz tank	700/1000 litre	34 703 26
Pump bracket for Roth tank	700/1000 litre	34 703 33
Pump bracket for Nau + Dehoust tank	700/1000 litre	34 703 40
Pump bracket for 1000 litre IBC-container		34 703 19

Wall Bracket for Electric Pumps

Designed for safe mounting of electric pumps

Wall bracket for electric pumps	34 702 96
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Carrying Handle for EP300, EP400 and AEP100

Carrying handle for electric gear pumps

Carrying handle for EP300, EP400 and AEP100	35 590 14
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Drip Tray with Holder

for oil control gun or hose end meter

Tank or wall mounted,
with removable drip tray

For tank and IBC-container, can be mounted with
special clamps

Drip tray for wall mounting	34 707 60
Drip tray for tank mounting	34 707 77
Drip tray for 1000 litre IBC container	34 708 07

Screw Cap for IBC-Container

Screw cap for IBC container, includes
2" TriSure adaptor (male) to 2" BSP (female)

Screw cap for IBC container	34 705 24
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2" TriSure-Adaptor (male) to 2" BSP (female)

2" TriSure adaptor (male) to 2" BSP (female),
designed for units with 2" drum adaptor

2" TriSure adaptor (male) to 2" BSP (female)	34 705 00
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Electric Pump for Vegetable Oil, Accessories

Description	Images and specifications can be subject to change without notice	Part No.
Electric Vane Pump EP 60		
Self priming vane pump with integral bypass, pressure regulator, 2 m supply cable, designed for vegetable oil and products up to 500 cSt.		
Output : approx. 60 l/min (free delivery) Max. pressure: approx. 6 bar, suction height up to 2,5 m, Electric data : 230V, 50 Hz, 1.6 KW, IP55 Connections: R 1" female		
Electric vane pump EP 60		34 310 20
In Line Flow Meter DIGIMET M100		
Volumetric measurement principle, mechanical meter, calibratable, flow rates of between 10-100 litre per minute, maximum operating pressure 10 bar, threads R1" Female, accuracy +/- 1% after calibration, delivery counter 0-999 l resettable, 6 digit totaliser, aluminium body, also suitable for lubricating oils. The cover can be repositioned to suit the preferred direction of flow.		
In-line flow meter DIGIMET M100		35 409 06
In Line Flow Meter DIGIMET E110		
Volumetric measurement principle, mechanical meter, calibratable, flow rates of between 10-100 litre per minute, maximum operating pressure 30 bar, threads R1" female, accuracy +/- 0,5% after calibration, delivery counter 0-999 litre resettable, 8 digit totaliser, rotatable display, aluminium body, also suitable for lubricating oils.		
In-line flow meter DIGIMET E110		35 410 95
Meter Mounting Kit for EP 60		
Double ended connector with plastic seal G1"		
Meter mounting set for EP 60		35 420 78
Suction Hose DN25 with 2" Drum Adaptor		
Fits EP60, EP140 and EP12/24 PLUS, R1" at one end, with suction filter and backlash valve		
Suction hose DN25, R1" fittings, 2.0 m		34 712 86
Steel Suction Tube with 2" Drum Adaptor		
Steel suction tube for 200 litre drum		35 620 38
Steel suction tube for 700 litre tank		35 620 52
Steel suction tube for 1000 litre tank		35 620 76
Suction Hose DN25		
Suction hose with R1" swivel nuts at each end		
Suction Hose 500 mm, R1" fittings		34 712 24
Delivery Hose DN25		
Fits EP60, EP140 and EP12/24 PLUS, with R1" fittings		
Delivery hose DN 25 - hose length 4,0 m		34 715 14
Delivery hose DN 25 - hose length 8,0 m		34 715 76
Automatic Filling Gun AZ for Vegetable Oil		
Suitable for flow rates up to 80 l/min., with swivel, R1" male thread, designed for vegetable oil and products up to 500 cSt.		
Automatic filling gun AZ for vegetable oil, flow rate up to 60 l/min.		34 393 92
Automatic filling gun AZ for vegetable oil, flow rate up to 80 l/min.		34 394 22



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HENNLICH
ŽIJEME TECHNIKOU

o.z. HENNLICH CEMA-TECH,
Dolní 183/30, 591 01 Žďár nad Sázavou

Telefon: +420 566 630 524
E-mail: cema-tech@hennlich.cz

www.hennlich.cz/cema-tech

Hose End Meters and Filling Guns for Lubricating Oil

Description	Images and specifications can be subject to change without notice	Part No.
Oil Filling Gun with Protector and Swivel		
Swivel and 2 double threaded connectors 1/2"-1/2" (male) & 1/2"-3/4" (male) included, max. working pressure 100 bar		
Oil filling gun without nozzle		35 400 36
Oil filling gun with non-drip nozzle for engine oil		35 401 73
Oil filling gun for gear oil without non-drip nozzle		35 402 27
Oil filling gun for gear oil with non-drip nozzle		35 402 03
Oil filling gun with hose and non-drip nozzle for engine oil		35 403 33
Electronic Line Meter DIGIMET E35		
Resettable with LCD Display. For details and technical data see below		
DIGIMET E35 in-line meter 1/2" female		35 410 02
DIGIMET E35 in-line meter 1/2" male/female		35 410 19
DIGIMET E35 in-line meter 3/4" male/female		35 410 33
DIGIMET E35 Hose End Meter		
Equipped with LCD display, swivel, with nozzle and oil filling gun, maximum flow rate 35 l/min, 2 displays (totaliser and resettable display of dispense), accuracy +/- 0.5 %, with protector, calibratable, with nipples for 1/2" and 3/4" outlets, max. 100 bar, facility for flow rate metering		
DIGIMET E35 hose end meter without nozzle		35 411 63
DIGIMET E35 hose end meter with non-drip nozzle for engine oil		35 411 70
DIGIMET E35 hose end meter for gear oil without non-drip nozzle		35 411 87
DIGIMET E35 hose end meter for gear oil with non-drip nozzle		35 411 94
DIGIMET E35 with hose and non-drip nozzle for engine oil		35 412 17



Hose End Meters and Filling Guns for Lubricating Oil

Description	Part No.
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Images and specifications can be subject to change without notice

DIGIMET E30 for Preset Delivery

Preset delivery from 0.1 to 99.9 litre,
automatic shut-off when preset volume reached,
accuracy +/- 0.5%, working pressure max. 67 bar,
swivel and double ended connector 1/2"- 3/4" male,
electronic LCD display



DIGIMET E30 Preset without extension 35 414 15

DIGIMET E30 Preset with non-drip nozzle for engine oil 35 414 22

DIGIMET E30 Preset for gear oil with non-drip nozzle 35 414 39

DIGIMET E30 Preset with hose and non-drip nozzle for engine oil 35 414 46



Electronic Hose End Meter , with swivel
calibratable to legal measuring standards

Electronic hose end meter, designed to meet the European
Measurements Instrument Directive MID, based on **OIML R117**.
Unit features permanent data memory, resettable digital display,
max. working pressure 100 bar, flow range: 1 - 10 l/min.
Accuracy +/- 0.3% (8-2000 mPas), with double threaded
connectors 1/2" and 3/4" male.
(Producer calibration certificate included).

Only MATO oil transfer systems that are configured with this
meter AND electric/pneumatic pump components made by
MATO meet the directives of MID!

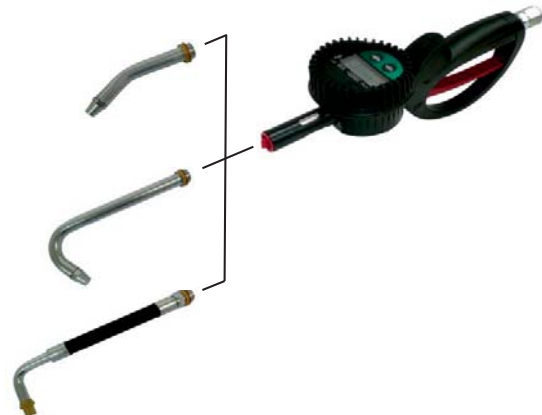


Electronic hose end meter MID, without nozzle 35 414 91

Electronic hose end meter MID,
with non-drip nozzle for engine oil 35 415 07

Electronic hose end meter MID,
for gear oil with non-drip nozzle 35 415 14

Electronic hose end meter MID,
with hose and non-drip nozzle for engine oil 35 415 21



Hose End Meters for Various Liquids and Accessories

Description	Part No.
Images and specifications can be subject to change without notice	
DIGIMET E35-AF Hose End Meter	
for anti-freeze and water based fluids	
Equipped with LCD display, swivel, with gun and non-drip nozzle, maximum flow rate 35 l/min, 2 displays (totaliser and resettable display of dispense), accuracy +/- 0.5 %, with protector, calibratable, with nipples for 1/2" and 3/4" outlets max. 100 bar, facility for flow rate metering	
Brake fluids and other fluids on request!	
DIGIMET E35-AF hose end meter with hose and non-drip nozzle	35 412 31
Electronic Line Meter DIGIMET E35-AF	
Resettable with LCD display, 5-digit, 1/2" inlets, for technical data see DIGIMET E35-AF hose end meter	
Electronic line meter DIGIMET E35-AF	35 410 71
DIGIMET E35-WS Hose End Meter	
for windscreen cleaner and AdBlue®	
Equipped with LCD display, 5-digit, PVC measuring chamber, viton seals, swivel and nozzle in stainless steel, flow rate 0.5l to 35 l/min. 2 displays (totaliser and resettable display of dispense), accuracy +/- 0.5 % calibratable, with R1/2" female thread, max. 10 bar, facility for Flow Rate Metering	
DIGIMET E35-WS hose end meter with non-drip nozzle	35 412 48
Accessories for Oil Filling Guns and Hose Meters	
Nozzle with non-drip nozzle for engine oil	35 402 58
Nozzle for gear oil without non-drip nozzle	35 402 72
Nozzle for gear oil with non-drip nozzle	35 402 65
Flexible hose with non-drip nozzle for engine oil	35 402 96
Inspection window for approved hose end meter	35 412 93
Straight swivel, 1/2" female / male	35 490 08
Double ended connector 1/2" - 1/2" male	39 912 03
Double ended connector 1/2" - 3/4" male	39 912 34
Rubber protector for hose end Meter and line meter	35 412 62



Solenoid Valve, Pulse Meter

Description	Images and specifications can be subject to change without notice		Part No.
Solenoid Valve 24V DC			
for lubricating oils, diesel and light fuel oil			
Connecting threads: 1/2" female, inlet/outlet 90°, working pressure: max. 207 bar (3,000 psi), max. flow 35 l/min.			
Solenoid valve 24V DC			35 805 20
Solenoid Valve AF-24V DC			
for Anti-Freeze and hydrous fluids			
Connecting threads: 1/2" female, Inlet/Outlet 180° Working pressure: max. 16 bar (230 psi), max. flow 35 l/min.			
Solenoid valve AF-24V DC			35 805 44
Solenoid Valve HP-24V DC			
for grease			
Connecting threads: R3/8" female, inlet/outlet 90°, working pressure: max. 400 bar (5,800 psi), max. flow 500 g/min.			
Solenoid valve HP-24V DC		35 805 75	1.027,30
Pulse Meter			
for lubricating oils, diesel and light fuel oil			
Output: 100 Pulses per litre (1 channel) Connecting treads: 1/2" female Accuracy: +/- 0,5%, Pmax 80 bar (1.160 psi), 0,5 - 40 l/min.			
Suitable for engine, gearbox and hydraulic oils, as well as diesel and light fuel oil			
Pulse meter			35 806 29
Pulse Meter, approved			
without display for lubricating oils			
Output: 2x100 = 200 pulses per litre (2 channels) Connecting threads: 1/2" female Accuracy: +/- 0,3%, Pmax 70 bar (1.015 psi), 0,5 – 35 l/min.			
Suitable for engine, gearbox and hydraulic oils			
Pulse Meter without display, approved			35 806 67
Pulse Meter, approved			
with display for lubricating oils			
Output: 2x100 = 200 pulses per litre (2 channels) Connecting threads: 1/2" female Accuracy: +/- 0,3%, Pmax 70 bar (1.015 psi), 0,5 – 35 l/min. including Certificate of Approval: 1-10 l/min			
Suitable for engine, gearbox and hydraulic oils			
Pulse Meter with display, approved			35 806 50
Pulse Meter AF			
for Anti-Freeze and hydrous fluids			
Output: 100 pulses per litre (1 channel) Connecting threads: 1/2" female Accuracy: +/- 0,5%, Pmax 100 bar (1,450 psi), 1 – 35 l/min			
Brake fluids and other fluids on request!			
Pulse meter AF			35 806 36
Pulse Meter DIGIMET E5-P			
for Grease			
Output: 1.400 Pulses per litre (1 channel) Connecting threads: 1/8" female Accuracy: +/- 0,5%, Pmax 1.000 bar (14.500 psi), max. flow: 100 - 2.500 ccm/min.			
Pulse meter DIGIMET E5-P			35 417 12



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Hose Reels, open and Accessories

Description	Part No.
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Images and specifications can be subject to change without notice

Hose Reel, open

with swivel and hose stopper, max. 60 bar (870 psi)

Designed for wall, ceiling and floor mounting, suitable for engine, gearbox and hydraulic oils, as well as diesel, light fuel oil and Anti-Freeze

Connecting threads on model **DN 12 (1/2")**

Hose: 1/2" swivel nuts, swivel 1/2" male

Connecting threads on model **DN 16 (3/4")**

Hose: 3/4" swivel nuts, swivel 3/4" male

Hose reel, open, without hose for max. 15 m hose DN12 (1/2") **35 204 10**

Hose reel, open, without hose for max.12 m hose DN16 (3/4") **35 204 34**

Hose reel, open, with 10 m hose DN 12 (1/2") **35 210 04**

Hose reel, open, with 15 m hose DN 12 (1/2") **35 210 11**

Hose reel, open, with 8 m hose DN 16 (3/4") **35 210 35**

Hose reel, open, with 12 m hose DN 16 (3/4") **35 210 59**

Hose Reel with Stainless Steel Shaft, open

stainless steel swivel, max. 300 bar (4.350 psi)

Suitable for e.g. windshield cleaner, water, AdBlue® and neutral emulsions. Further liquids upon request.

EPDM-hose, conductive DN12 (1/2") max. 20 bar,
stainless steel (1.4305) swivel R1/2" outlet

Hose reel with stainless steel shaft, open, without hose **35 211 03**

Hose reel with stainless steel shaft, open, with 10 m hose DN 12 **35 211 27**

Hose reel with stainless steel shaft, open, with 15 m hose DN 12 **35 211 41**

Hose Reel for Grease, open, with Swivel

and hose stopper, max. 500 bar (7.350 psi)

Designed for wall, ceiling and floor mounting, suitable for use in high pressure applications

Hose: 1/4" outlet, swivel 1/4" female

Hose reel for grease, open, without hose **35 307 30**

Hose reel for grease, open, with 10 m hose DN 6 (1/4") **35 310 03**

Hose reel for grease, open, with 15 m hose DN 6 (1/4") **35 315 15**

Swivels

Brass swivel for oil, diesel, anti-freeze, etc., max. 60 bar

stainless steel swivel for e.g. windshield cleaner, water

AdBlue®, max. 300 bar

Galvanized steel swivel for grease, max. 500 bar

Swivel for hose reel DN 12 - 1/2" outlets **35 219 98**

Swivel for hose reel DN 16 - 1/2" - 3/4" outlets **35 220 01**

Swivel for hose reel with stainless steel shaft, 1/2" outlets **35 221 00**

Swivel for hose reel for grease, 1/2" - 1/4" outlet/inlet **35 319 97**

EPDM-hose, conductive

Connecting hose for hose reel, open with stainless steel shaft incl. swivel nuts 1/2" in stainless steel, max. 20 bar

EPDM-hose, conductive 1 m **34 620 79**

Wall Bracket for open Hose Reels

This special mounting bracket enables the open hose reels to swivel.

The full range of swivel is 120 degrees.

Wall Bracket for open Hose Reels **35 321 23**



Hose Reels, cased and Accessories

Description	Images and specifications can be subject to change without notice	Part No.
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Hose Reel, cased

with hose stopper, max 60 bar (870 psi)

Designed for wall, ceiling and floor mounting
suitable for engine, gearbox and hydraulic oils,
as well as diesel, light fuel oil and Anti-Freeze

Robust Hose Reel with powder coated metal case. Cases can be
configured with three different versions of hose outlet window.
Rows of cased reels can be mounted side by side without space gaps.

External thread for Unit DN 12 - 1/2" outlet

External thread for Unit DN 16 - 3/4" outlet

Dimensions: height/width/depth 470 / 215 / 500 mm

Hose reel, cased, with 10 m hose DN 12 (1/2")	35 230 39
Hose Reel, cased, with 15 m hose DN 12 (1/2")	35 230 60
Hose reel, cased, with 8 m hose DN 16 (3/4")	35 232 06
Hose Reel, cased, with 12 m hose DN 16 (3/4")	35 232 37

Hose Reel for Grease, cased

with hose stopper, max. 500 bar

Designed for wall, ceiling and floor mounting
suitable for use in high pressure applications.
Different configurations possible, see above.

External Thread 1/4" outlet

Hose reel for grease, cased with 10 m hose DN 6 (1/4")	35 235 10
Hose reel for grease, cased with 15 m hose DN 6 (1/4")	35 235 41

Wall Bracket for cased Hose Reels

This special mounting bracket enables
the cased hose reels to swivel.
The full range of swivel is 120 degrees

Wall Bracket for cased Hose Reels	35 321 85
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Mounting Installation Kit for
cased Hose Reels

Cased Hose Reels can be wall or
ceiling mounted with these kits

Mounting Installation Kit for 2 cased Hose Reels	35 324 20
Mounting Installation Kit for 3 cased Hose Reels	35 324 37



Hose Reel for Compressed Air, Aluminum Hose Retainer

Description	Images and specifications can be subject to change without notice	Part No.
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Hose Reel for Compressed Air, Cased

Cased hose reel for air, with swivel bracket for wall mounting, portable/mobile, can be detached from bracket with carry handle
hose lengthh 11 m, 8x12, with hose stopper
inlet hose 1,5 m, connecting thread 1/4"
Maximum working pressure: 20 bar (290 psi)

Wall bracket for air hose reel35 322 60



Cased hose reel for compressed air34 024 02

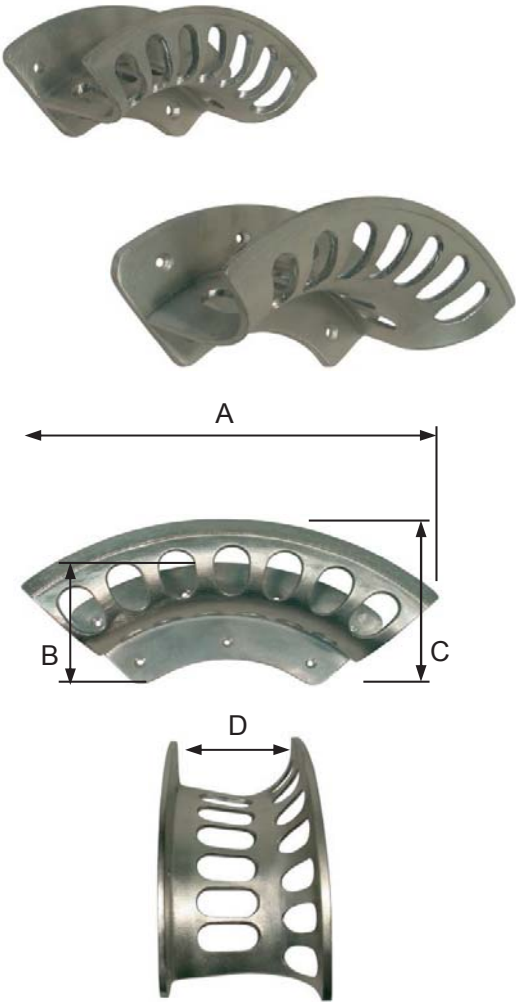
Aluminum Hose Retainer

The hose retainers are perfectly suitable for hoses, cables and ropes.
Variable screw-hole pattern (7 holes) allow for flexible wall mounting.
The countersunk holes ensure a smooth and flat surface

Dimensions:

- Aluminum hose retainer small
A: 186 mm B: 75 mm C: 85 mm D: 57 mm
- Aluminum hose retainer medium
A: 248 mm B: 96 mm C: 118 mm D: 97 mm
- Aluminum hose retainer big
A: 336 mm B: 124 mm C: 152 mm D: 132 mm
- Aluminum hose retainer oversize
A: 358 mm B: 124 mm C: 152 mm D: 132 mm

Aluminum hose retainer small	35 198 10
Aluminum hose retainer medium	35 198 27
Aluminum hose retainer big	35 198 34
Aluminum hose retainer oversize	35 198 41



Waste Oil Drainers, Mobile

Description	Part N.
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Images and specifications can be subject to change without notice

Waste Oil Drainer 75 l, Mobile

with air pressure discharge

Mobile waste oil drainer, reservoir capacity 75 l, with 2 fixed wheels and 2 swivel castors, drain bowl diameter Ø 420/560 mm, height adjustable sight level gauge, tool tray, discharge hose 2 metres with angled spout (suction probe connection Ø 12 mm)

Waste oil drainer 75 l, mobile, with air pressure discharge 35 541 87

Waste Oil Drainer and Vacuum Extraction Unit

w/o inspection chamber, with air pr. discharge

Fully mobile waste oil drainer and vacuum extraction unit, with 2 fixed wheels and 2 swivel castors, reservoir capacity 75 l with air pressure gauge, tool tray, 2 m suction hose with snap-on coupling system for the included suction probes. 2 m discharge hose with angled spout, extendable tube with swivelling drain bowl with filter mesh (Ø 420/560 mm)

Accessories:

- 2 suction probes, rigid, Ø 5 and 6 mm, 680 mm long
- 3 suction probes, flexible, Ø 5, 6 and 8 mm, 680 mm long
- 1 suction probe, flexible, Ø 7 mm, 980 mm long (suction probe connection Ø 12 mm)

Waste oil drainer and vacuum extraction 75 l w/o inspection chamber 35 543 47

Waste Oil Drainer and Vacuum Extraction Unit

with inspection chamber, with air pr. discharge

Fully mobile waste oil drainer and vacuum extraction unit, with 2 fixed wheels and 2 swivel castors, reservoir capacity 75 l with air pressure gauge, inspection chamber capacity 10 l, tool tray, 2 m suction hose with snap-on coupling system for the included suction probes. 2 m discharge hose with angled spout, extendable tube with swivelling drain bowl with filter mesh (Ø 420/560 mm)

Accessories:

- 2 suction probes, rigid, Ø 5 and 6 mm, 680 mm long
- 3 suction probes, flexible, Ø 5, 6 and 8 mm, 680 mm long
- 1 suction probe, flexible, Ø 7 mm, 980 mm long (suction probe connection Ø 12 mm)

Waste oil drainer and vacuum extraction 75 l with inspection chamber 35 543 78



Waste Oil Pumps and Accessories

Description	Part No.
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Images and specifications can be subject to change without notice

Electric Gear Pump AEP 100 for Waste Oil

Self priming gear pump with accessories
for clean handling of waste oil.
Delivery pressure max: 8 bar,
output:10 l/min. free delivery (SAE15W-40)
Threads: 3/4"
Motor: 0.37 KW, 230V, 50 Hz, 2.9 A, IP 55

Accessories: suction hose, suction probes, oil change adaptor,
suction pipe, 4 meters delivery hose, elbow with 2" drum adaptor
and snap-on coupling.
(suction probe connection Ø 16 mm)



Electric gear pump system AEP 100	35 505 23
Electric gear pump AEP 100 with suction filter	35 505 09

Carrying Handle for AEP 100

Carrying Handle for AEP 100	35 590 14
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Suction-Probe Adaptor

Adaptor for suction probes,
reduction from Ø 16 mm to Ø 12 mm



Suction probe adaptor Ø 16/12 mm	35 548 59
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Suction Probes and Adaptors
for waste oil drainer

Suction-probe connection Ø 12 mm

Flexible suction probe, Ø = 5 mm	length = 680 mm	35 548 04
Flexible suction probe, Ø = 6 mm	length = 680 mm	35 548 11
Flexible suction probe, Ø = 7 mm	length = 980 mm	35 548 28
Flexible suction probe, Ø = 8 mm	length = 680 mm	35 548 35
Rigid suction probe, Ø = 5 mm	length = 680	35 549 03
Rigid suction probe, Ø = 6 mm	length = 680	35 549 10
Suction adaptor for VW		35 547 05
Suction adaptor for BMW		35 547 12
Suction adaptor for Citroen		35 547 29



Waste Oil Funnels and Liquid Extraction and Transfer Units

Description	Images and specifications can be subject to change without notice	Part No.
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Waste Oil Collecting Funnel, 400 / 560 mm

Waste oil collecting funnel, ø 400 / 560 mm
designed to fit to container with R2" drum adaptor

Metal funnel ø 400 mm
Ø 560 mm plastic top with insert mesh

750 mm pipe length with ball valve
R2" bung adapter vertical individually adjustable

Waste Oil Collecting Funnel, 400 / 560 mm35 549 58

Plastic Funnel with Flap Lid

Plastic funnel with stainless steel strainer
and lockable flap lid
Suitable for waste oil and chemical disposal
Material: PP
Diameter: 250 mm

Thread: R2" and 2" TriSure, male

Funnel FSC-PP-250 (ø 250 mm) with flap lid33 517 00

Liquid Extraction and Transfer Unit, Static

The extraction and discharge unit with 6 l capacity
is suitable for fluids such as oil, diesel, emulsions,
water, coolants and other non-aggressive fluids.
Not suitable for liquids with A1 flash point <21° C
(Gasoline, aviation fuel, etc.)

Accessories:
1,5 m suction and discharge hose with ball valve
and snap-on connector for suction probes
including 2 flexible suction probes
6 and 8 mm diameter, 680 mm long
(Suction Probe Connection Ø 16 mm)

For more suction probes and suction adaptors please
see accessories for waste oil pumps

Liquid extraction and discharge unit 6 l, static35 554 12

Liquid Extraction and Transfer Unit, Static

The extraction and discharge unit with 18 l capacity
is suitable for fluids such as oil, diesel, emulsions,
water, coolants and other non-aggressive fluids.
Not suitable for liquids with A1 flash point <21° C
(Gasoline, aviation fuel, etc.)

Accessories:
1,5 m suction and discharge hose with ball valve
and snap-on connector for suction probes
including 2 flexible suction probes
6 and 8 mm diameter, 680 mm long
(Suction Probe Connection Ø 16 mm)

For more suction probes and suction adaptors please
see accessories for waste oil pumps

Liquid extraction and discharge unit 18 l, mobile35 554 43



Oil and Waste Oil Tanks, Safety Drum Stand, Tank Level Monitors

Description	Part No.
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Images and specifications can be subject to change without notice

Oil and Waste Oil Tank

double walled, transportable by forklift

Authorised for use with fluids according Hazard Class A3,
inner tank of seamless, blow moulded HDPE, galvanised steel
outer skin, corrosion resistant and maintenance free, no additional
leakage precautions required. Level gauge fitted.
Clear visual indication of leakage.

Dimensions (Length x Width x Height):
1135 x 720 x 1210 mm (700 litre)
1135 x 720 x 1640 mm (1.000 litre)

Fresh oil and waste oil tank, 700 litre	35 507 14
Fresh oil and waste oil tank, 1.000 litre	35 510 18

Safety Drum Stand (German TÜV/GS approved)

Galvanized or painted drum stand with galvanised mesh,
space for maximum of two 200 litre drums, sump capacity 205 litre
Maximum loading: 500 kg
Item weight: 61 kg (approx.)

Painted drum stand for 2 x 200 litre oil drums, 1.200x800x325 mm	35 510 87
Galvanized drum stand for 2x 200 litre oil drums, 1.200x800x325 mm	35 510 70

Excess Fill-Level Alarm

With integrated visual and acoustic alarms.
Switch to acknowledge alarm system.
Approved for lubricating and waste oils.
Control unit and connections with integral warning lamp
and acoustic alarm.

Power supply 230V 1ph 50Hz without mains cable.
Level indicator with 1" connection and Adaptor 1" to 2",
probe length 500 mm with 3 metres of connecting cable.
For fuel oil, diesel oil, waste oil and non adhesive emulsions.

Overfill Level Alarm	35 610 24
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Limit Controller

as per TRbF 511 (6/82)

Suitable for fuel oil (EL DIN 51603), diesel fuel (DIN 51601)
with 1" connector and adaptor 1" to 2",
adjustable from 70 to 331 mm long (in accordance with
operating instructions). Connecting cable 1,2 m.

German PTB approval: 01/PTB III B/S 1014-1
General inspection approval: Z - 65.17 - 182

Limit Controller according to TRbF511 (6/82)	35 610 00
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Tank Filler Point

Tank filler point with screw cap
90° elbow, 2" connection.

Tank filler point	35 698 08
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Tank Air Vent 2"

Features vent pipe with 2" thread and vent cover.

Tank air vent, thread 2"	35 698 46
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mato



Electric Pumps for Diesel, Light Fuel Oil and Similar Fluids

Description	Part No.
Images and specifications can be subject to change without notice	
Universal DRILL - PUMP	
Pump housing made from glass reinforced plastic, inner casing of brass, stainless steel shaft, housing cover in brass, vanes of glass reinforced plastic.Suitable for diesel, light fuel oil, water, anti-freeze, neutral emulsions, please check for compatibility with other fluids. Max. drive speed: 2,000 to 2,500 l/min. Max.output 20 l/min., suction height: up to 1.5 m, hose connection 1", axle Ø 8 mm Universal DRILL - PUMP	34 305 80
Self Priming Pump EP 12 / EP 24	
Self priming electric vane pump 3/4" (female), IP 54, 1,5 bar, with clips for battery terminals, suitable for diesel and light heating oil. Technical Data: Pump EP 12 12 V, 120 W, 16 A approx. 36 l/min. (free delivery) Pump EP 24 24 V, 120 W, 8 A approx. 40 l/min. (free delivery) Pump EP12 Pump EP24	34 304 05 34 304 29
Electric Vane Pump EP 55	
Self priming vane pump with integral by-pass pressure regulator, anti syphon valve, mains cable, nozzle holster, 2" BSP bung adaptor, Output: 55 l/min. free delivery, max. pressure: 2 bar Output: approx. 55 l/min. (free delivery) Max. pressure: approx. 2 bar Electric data : 230V, 50Hz, IP55,0,46 kW Suction height: up to 2,5 m EP 55 Pump without accessories (threads 1" female) EP 55 Pump with bung adaptor and nozzle holster	version 2022 34 315 01 34 315 18
Electric Vane Pump EP60	
Self priming vane pump with integral bypass pressure regulator, 2m mains cable, designed for vegetable oil and products up to 500 cSt. Output: approx. 60 l/min. (free delivery) Max. pressure: approx. 6 bar / 87 psi Electric data: 230V, 50Hz, IP55, 1.6 kW Threads: R 1" female Suction height: up to 2,5 m Electric vane pump EP 60	34 310 20
Electric Vane Pump EP140	
Self priming electric vane pump with integral by-pass pressure regulator, 3 m mains cable, on/off switch Output: approx. 80 l/min. (free delivery) Max. pressure: 2.5 bar / 36 psi approx. Electrical data: 230 V, 50 Hz, IP 55, 0.5 KW Threads: inlet and outlet 1" BSP (male) Suction height: 2,5 m Electric Vane Pump EP140	version 2022 34 382 10
Electric Vane Pump EP12 PLUS	
Self priming electric vane pump with integral by-pass pressure regulator, 3 m mains cable and clips for battery terminals Output: approx. 80 l/min. (free delivery) Max. pressure: 1.6 bar / 23 psi approx. Electrical detail: 12 V DC, IP 55, 037 KW Threads: inlet and outlet 1" BSP (male) Suction height: up to 2,5 m Electric vane pump EP12 PLUS	34 380 12
Electric Vane Pump EP24 PLUS	
Self priming electric vane pump with integral by-pass pressure regulator, 3 m mains cable and clips for battery terminals as per above specification, but with 24V DC Electric vane pump EP24 PLUS	34 381 28



Electric Pumps for Diesel and Light Fuel Oil

Description	Part No.
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Images and specifications can be subject to change without notice

Universal Electric Drum Pump AP 30L

not self priming

Universal, ready to use transfer pump kit with priming lever, for diesel and fuel oil, 2" BSP and M64 x 4 bung adaptor.

Kit also includes:

3 part telescopic suction tube (480 - 1100 mm)

2,5 m reinforced delivery hose,

filler nozzle and hose clips

Not suitable for water or other fluids!

Technical Data:

AP 30L/230: 230 V AC/50HZ, 0.20kW / 0.9A, approx. 30 l/min.

AP 30L/12: 12 V DC, 0.11kW / 9.2A, approx. 25 l/min.

AP 30L/24: 24 V DC, 0.125kW / 5.2A, approx. 25 l/min.

Electric barrel pump	AP 30L/230	34 303 44
Electric barrel pump	AP 30L/12	34 303 06
Electric barrel pump	AP 30L/24	34 303 20



Electric Pump Kit EP 12 / EP 24

Self priming electric vane pump for connection to a battery.

For storage tanks on construction sites and in agriculture.

Suitable for use with diesel and light heating oil.

Contact us for compatibility with other fluids.

Delivery pressure 1,5 bar.

delivery hose 3,5 m DN20 3/4"

plastic suction hose 1,5 m 3/4" x 19, trigger nozzle S deluxe

Technical data:

EP 12: 12 V DC, 120 W, 16A, approx. 36 l/min. (free delivery)

EP 24: 24 V DC, 120 W, 8A, approx. 40 l/min. (free delivery)

Electric pump kit EP 12 (12 V electric pump)	34 304 12
Electric pump kit EP 24 (24 V electric pump)	34 304 36



Tank Kit EP 55-S

Complete tank kit, including:

pump EP 55 (technical details see p. 101),

1,5 m reinforced suction hose DN 20 (3/4")

with suction filter and foot valve,

delivery hose DN 20 (3/4"),

suction and delivery hose with swivel nuts,

for easy and safe fitting,

nozzle with swivel

Tank kit EP 55 - S with 4 m delivery hose	34 319 45
Tank kit EP 55-AZ with 8 m delivery hose	34 319 83



Tank Kit EP 55-S with Meter

Complete tank kit, including:

pump EP 55 (technical details see p. 101),

1,5 m reinforced suction hose DN 20 (3/4")

with suction filter and foot valve,

delivery hose DN 20 (3/4"),

suction and delivery hose with swivel nuts

for easy and safe fitting,

flow meter DIGIMET M80 mechanical,

resettable dispense volume 0-999 litre, 6 digit totaliser.

Tank kit EP 55-S with meter, 4 m delivery hose	34 319 52
Tank kit EP 55-S with meter, 8 m delivery hose	34 319 90



Electric Pumps for Diesel, Light Fuel Oil and Similar Fuels

Description	Images and specifications can be subject to change without notice	Part No.
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Tank Kit EP 55-AZS

Tank kit includes:
pump EP 55 (technical details see p. 101),
output 55 l/min (free flow),
1,5 m reinforced suction hose DN 20 (3/4")
with suction filter and backlash valve, delivery hose DN 20 (3/4"),
**suction and delivery hose with swivel nuts
for easy and safe fitting,
automatic shut-off nozzle AZS/80 l with swivel**

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 105)

(Tank not included)

Tank kit EP 55-AZS with 4 m delivery hose	34 320 41
Tank kit EP 55-AZS with 8 m delivery hose	34 320 89

Tank kit EP 55-AZS with meter

Tank kit as described above, but with
flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 105)

Tank kit EP 55-AZS with meter, 4 m delivery hose	34 320 58
Tank kit EP 55-AZS with meter, 8 m delivery hose	34 320 96

Tank kit EP 55-AZS-T

Tank kit includes:
pump EP 55 (technical details see p. 101),
output 55 l/min (free flow),
double-wall safety-tank with transportation approval 1.000 l,
1,5 m reinforced suction hose DN 20 (3/4")
with suction filter and backlash valve, delivery hose DN 20 (3/4"),
**suction and delivery hose with swivel nuts
for easy and safe fitting,
automatic shut-off nozzle AZS/80 l with swivel**

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 105)

(Supplied with tank, pump-kit pre-installed)

Tank kit EP 55-AZS-T with 4 m delivery hose	34 322 01
Tank kit EP 55-AZS-T with 8 m delivery hose	34 322 25

Tank kit EP 55-AZS-T with meter

Tank kit as described above, but with
flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 105)

Tank kit EP 55-AZS-T with meter, 4 m delivery hose	34 323 00
Tank kit EP 55-AZS-T with meter, 8 m delivery hose	34 323 24



Electric Pumps for Diesel, Light Fuel Oil and Similar Fuels

Description	Part No.
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Images and specifications can be subject to change without notice

Tank Kit EP 140-AZS

Tank kit includes:
pump EP 140 (technical details see p. 101),
output 80 l/min (free flow),
1,5 m reinforced suction hose DN 25 (1")
with suction filter and backlash valve, delivery hose DN 25 (3/4"),
suction and delivery hose with swivel nuts for easy and safe fitting,
automatic shut-off nozzle AZS/120 l with swivel

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

(Tank, pump bracket and drip tray not included)

Tank kit EP 140-AZS with 4 m delivery hose	34 324 09
Tank kit EP 140-AZS with 8 m delivery hose	34 324 16

Tank Kit EP 140-AZS with Meter

Tank kit as described above, but with
flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

Tank kit EP 140-AZS with 4 m delivery hose	34 324 61
Tank kit EP 140-AZS with 8 m delivery hose	34 324 78

Tank kit EP 140-AZS-T

Tank kit includes:
pump EP 140 (technical details see p. 101),
output 80 l/min (free flow),
double-wall safety-tank with transportation approval 1.000 l,
drip tray with retainer, pump-kit bracket,
1,5 m reinforced suction hose DN 25 (1")
with suction filter and backlash valve, delivery hose DN 25 (3/4"),
suction and delivery hose with swivel nuts for easy and safe fitting,
automatic shut-off nozzle AZS/120 l with swivel

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

(Supplied with tank, pump-kit pre-installed)

Tank kit EP 140-AZS-T, 4 m delivery hose	34 325 15
Tank kit EP 140-AZS-T, 8 m delivery hose	34 325 22

Tank Kit EP 140-AZS-T with Meter

Tank kit as described above, but with
flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.
Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

Tank kit EP 140-AZS-T with meter, 4 m delivery hose	34 325 53
Tank kit EP 140-AZS-T with meter, 8 m delivery hose	34 325 60



Accessories for Electric Diesel Pumps

Description	Images and specifications can be subject to change without notice	Part No.
Trigger Nozzle S deluxe		
Standard trigger nozzle (non automatic) with heavy duty body with swivel, thread 3/4" male, for diesel and petrol		
Trigger nozzle S deluxe		34 393 30
Automatic Shut-Off Nozzle - AZS/80 l		
for flow rates up to 80 l/min. with swivel, thread 3/4" male		
Automatic Shut-Off Nozzle - AZS/80 l		34 392 86
Automatic Shut-Off Nozzle - AZ/60 l		
with type approval according to DIN EN 13012, for flow rates up to 60 l/min. with swivel, thread 3/4" male		
Automatic Shut-Off Nozzle - AZ/60 l		34 393 54
Automatic Shut Off Nozzle - AZS/120 l		
for flow rates up to 120 l/min. with swivel, thread R1" male		
Automatic Shut Off Nozzle - AZS/120 l		34 393 78
Delivery hose DN 20		
Suitable for pumps DP 60, EP 12, EP 24 and EP 55, both ends with swivel nuts 3/4", also approved for Bio-Diesel		
Delivery hose DN 20 (3/4"), hose length 1.5 m		34 713 16
Delivery hose DN 20 (3/4"), hose length 4.0 m		34 713 54
Delivery hose DN 20 (3/4"), hose length 8.0 m		34 713 92
Delivery Hose DN 25		
Suitable for EP60, EP140 and EP12/24 PLUS, with R1" fittings		
Delivery hose DN 25 - hose length 4,0 m		34 715 14
Delivery hose DN 25 - hose length 8,0 m		34 715 76
Suction hose DN 20		
Suitable for pumps EP 12, EP 24 and EP 55, pump side end with swivel nut 3/4", hose end with suction filter and backlash valve		
Suction hose DN 20 (3/4"), hose length 1.5 m		34 712 62
Suction Hose for Bio-Diesel		
3/4"swivel nut with suction filter and foot valve for EP55, EP12 and EP24		
Suction hose, lenght 1,5 m, for Bio-Diesel		34 712 79
Suction Hose DN25 with 2" Drum Adaptor		
for EP60, EP140 and EP12/24 PLUS, R1" at one end, with suction filter and backlash valve		
Suction Hose DN25, hose lenght 2 m, R1" fittings		34 712 86
Double end threaded brass connector, R 3/4"		
with cone seat at one end		
Suitable for EP 12 / EP 24		
Double ended connector with outer thread R 3/4" x R 3/4"		39 913 40
Reducer connector brass R 1" to R 3/4"		
with cone seat at both ends		
Suitable for EP 55		
Reducer connector from outer thread R 1" to R 3/4"		39 913 57
Double end threaded brass connector, R 1"		
with cone seat at one end		
Suitable for EP 60 / EP 140 / EP 12 Plus and EP 24 Plus		
Double ended connector with outer thread R 1" x R 1"		39 910 12



Accessories for Electric Diesel Pumps

Description	Images and specifications can be subject to change without notice	Part No.
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In Line Flow Meter DIGIMET M80

Volumetric measurement, mechanical counter, suitable for diesel, or engine oils, gear oils and other fluids at low pressure, robust casing of reinforced PA, NBR seals, calibratable, flow rates of 10-80 l/min., max. working pressure 6 bar (87 psi), accuracy ±1% (at 16-80 l/min), 1" threads (3 inlets, 2 outlets), resettable display 0-999 l dispense volume, 6-digit totalizer

Digimet M80 with flange connection for i.e. EP 55	35 408 07
Digimet M80	35 408 45

Inline Flow Meter DIGIMET M80, VITON

Volumetric measurement, mechanical counter, suitable for Petrol and 2-Stroke Fuel, robust casing of reinforced PA, **VITON seals**, calibratable, flow rates of 10-80 l/min., max. working pressure 6 bar (87 psi), accuracy ±1% (at 16-80 l/min), 1" threads (3 inlets, 2 outlets), resettable display 0-999 l dispense volume, 6-digit totalizer

Digimet M80 VITON with flange connection for i.e. EP 55	35 408 76
Digimet M80 VITON	35 408 14

In Line Flow Meter DIGIMET E110

Volumetric measurement principle, mechanical meter, calibratable, flow rates of between 10-100 litre per minute, max. operating pressure 30 bar, threads R1" female, accuracy +/- 0,5% after calibration, delivery counter 0-999.99 l dispense volume resettable, 8-digit totaliser, rotatable display, aluminium body, also suitable for lubricating oils.

In-line flow meter DIGIMET E110	35 410 95
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Meter Mounting Kit

Meter mounting kit for EP 55, EP 12 and EP 24, 3/4"	35 420 16
Meter mounting kit for EP 140, EP 12 PLUS and EP 24 PLUS, 1"	35 420 23

Drum Adaptor Kit

Suitable to vertically mount pumps like EP 12 / EP 24 to drums with 2" BSP threadsize

Drum adaptor kit EP 12 / EP 24	34 339 18
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Pump Bracket for Electric Pump Kits

Suitable for 700 und 1.000 l storage- and waste-liquid tanks

Pump bracket for Schütz tank	700/1.000 l	34 703 26
Pump bracket for Roth tank	700/1.000 l	34 703 33
Pump bracket for Nau + Dehoust tank	700/1.000 l	34 703 40
Pump bracket for 1.000 l IBC container		34 703 19

Drip Trays with Retainer

Suitable for wall- or tank mounting

Drip tray for wall mounting	34 707 60
Drip tray for tank mounting	34 707 77
Drip tray for mounting to IBC container	34 708 07



Pumps for AdBlue® [AdBlue® is a registered trademark of the Automobile Association - VDA]

Description	Part No.
Images and specifications can be subject to change without notice	
AdBlue® Membrane Pump SB 30 - 230 V	
AdBlue® membrane pump SB 30 - 230 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids	
Flow rate: approx. 30 l/min. (free flow) Electric data: 230V, 50/60 Hz, 0,37 KW, IP 54 1.8 m power supply cable, max. pressure 1.6 bar	
AdBlue® Membrane Pump SB 30 - 230 V	34 070 87
AdBlue® Membrane Pump SB 23 - 230 V	
AdBlue® membrane pump SB 23 - 230 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids	
Flow rate: approx. 23 l/min. (free flow) Electric data: 230V, 50/60 Hz, 0,18 KW, IP 54 1.8 m power supply cable, max. pressure 1.6 bar	
AdBlue® Membrane Pump SB 23 - 230 V	34 071 55
AdBlue® Membrane Pump SB 32 - 12 V / 24 V	
AdBlue® membrane pump SB 32 - 12 V / 24 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids	
Flow rate: approx. 32 l/min. (free flow) 12V DC, 0,18 KW, IP 54, 12 A 24V DC, 0,18 KW, IP 54, 6 A 1.8 m power supply cable and clips for battery terminals max. pressure 1.6 bar	
AdBlue® Membrane Pump SB 32 - 12 V	34 072 09
AdBlue® Membrane Pump SB 32 - 24 V	34 072 16
AdBlue® Membrane Pump SB 23 - 12 V	
AdBlue® membrane pump SB 23 - 12 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids	
Flow rate: approx. 23 l/min. (free flow) Electric data: 12V DC, 0,18 kW, IP54, 10 A 1.8 m power supply cable and clips for battery terminals max. pressure 1.6 bar	
AdBlue® Membrane Pump SB 23 - 12 V	34 072 23
Lever Operated Drum Pump HP 500 for AdBlue®	
Lever operated drum pump HP 500 for 50 up to 200 litre drums, equipped with 2" drum adaptor, telescope 2-segement suction tube and 2 m delivery hose, 2" bung adaptor and 2 adaptor 2" BSP female to 2" Mauser / TriSure male	
Flow rate: 500 ccm per stroke, EPDM Seals	
Lever operated drum pump HP 500 for AdBlue®	34 623 07
Polypropylene Rotary Pump RP 100-PP	
2-chamber vane pump with 3-segment suction tube, designed for drums up to 200 litre, drum adaptor 2" BSP	
Suitable for: AdBlue®, water-based liquids, thinner, solvents, anti-freeze, windshield detergents, hydraulic-oils. Other lubricants on request.	
Output: 250 ccm per revolution	
Polypropylene Rotary Pump RP 100-PP	34 609 07



Pumps and tank kits for AdBlue® (AdBlue® is a registered trademark of the Automobile Association - VDA)

Description	Part No.
Images and specifications can be subject to change without notice	
AdBlue® drum / container pump SB 19, 12 / 230 V	
AdBlue® drum / container pump SB 19, 12 / 230 V suitable for mounting for 200 l drums and IBC containers	
Flow rate: approx. 19 l/min. (free flow) 12 V DC, 30 W, 12 V power supply cable and clips for battery terminals and 230V-AC/12V-DC adaptor, with 2 m plastic delivery hose and standard filling gun SSB telescopic suction tube 850 to 1245 mm	
incl. screw cap for IBC container with 2" BSP and 2 adaptor 2" BSP female to 2" Mauser / TriSure male	
AdBlue® drum / container pump SB 19, 12 / 230 V	34 623 38
Mobile Tank Unit MT-AdBlue® 75l HP 500	
Mobile 75 l AdBlue® tank unit made of polyethylene with 2 large PU wheels, lever operated drum pump HP 500, standard filling gun SBB, 2 m plastic hose and filling cap with integrated air release valve	
Net weight: 12 kg	
Mobile Tank Unit MT-AdBlue® 75l HP 500	34 429 58
Mobile Tank Unit MT-AdBlue® 75l SB 23 - 12 V	
Tank unit as described above, but with AdBlue® membrane pompe SB 23 - 12 V, 4 m delivery hose DN 19 and standard filling gun SBB (technical details see page 107),	
Net weight: 17 kg	
Mobile Tank Unit MT-AdBlue® 75l SB 23 - 12 V	34 429 72
Mobile Tank Unit MT-AdBlue® 200 with automatic nozzle ASB	
Mobile 200 l AdBlue® tank unit made of polyethylene	
The 200 litres tank is equipped with safety valve for venting and pressure relief and in-line filter. The advanced design integrates all accessories, offers protection during transport due to lockable lid and space for tidy storage of delivery hose and nozzle. In-mold forklift pockets and lifting bars make handling of the full or the empty tank comfortable, grooves allow for easy securing of the tank with ratchet straps.	
AdBlue® membrane pompe SB 23 - 12 V (technical details see page 107), 4 m delivery hose DN 19, automatic shut-off filling gun ASB	
Dimensions: 1100 x 800 x 450 mm / Net weight: 35 kg	
Mobile Tank Unit MT-AdBlue® 200 with automatic nozzle ASB	34 430 16
Mobile Tank Unit MT-AdBlue® 400 with automatic nozzle ASB	
Tank unit as described above, but with 400 l tank	
Dimensions: 1150 x 800 x 720 mm / Net weight: 55 kg	
Mobile Tank Unit MT-AdBlue® 400 with automatic nozzle ASB	34 431 08



Description	Part No.
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Images and specifications can be subject to change without notice

**AdBlue® Membrane Pump stationary
for 200 l drum with standard filling gun SSB**

incl. stainless steel bracket for plastic drums,
standard filling gun SBB with stainless steel outlet,
2-segment suction tube for SEC-coupling with 2" TriSure thread,
0,5 m suction- and 6 m delivery hose 3/4", filling gun retainer
with integrated drip tray

either with

AdBlue® membrane pump SB 30 or
AdBlue® membrane pump SB 23
(technical details see page 107)



AdBlue® membrane pump SB 30 stat. with standard filling gun SSB	34 425 07
AdBlue® membrane pump SB 23 stat. with standard filling gun SSB	34 425 14

**AdBlue® Membrane Pump stationary
for 200 l drum with automatic shut-off nozzle ASB**

incl. stainless steel bracket for plastic drums,
automatic shut-off nozzle ASB with stainless steel outlet,
2-segment suction tube for SEC-coupling with 2" TriSure thread,
0,5 m suction- and 6 m delivery hose 3/4", filling gun retainer
with integrated drip tray

either with

AdBlue® membrane pump SB 30 or
AdBlue® membrane pump SB 23
(technical details see page 107)



AdBlue® membrane pump SB 30 with automatic shut-off nozzle ASB	34 425 45
AdBlue® membrane pump SB 23 with automatic shut-off nozzle ASB	34 425 52

**AdBlue® Membrane Pump mobile
for 200 l drum with automatic nozzle ASBZ**

incl. stainless steel bracket for plastic drums,
automatic shut-off nozzle ASBZ with integrated meter
and stainless steel outlet,
2-segment suction tube for SEC-coupling with 2" TriSure thread,
0,5 m suction- and 6 m delivery hose 3/4", filling gun retainer
with integrated drip tray and sturdy trolley for 200 litre drums

either with

AdBlue® membrane pump SB 30 or
AdBlue® membrane pump SB 23
(technical details see page 107)



AdBlue® membrane pump SB 30 mobile with automatic nozzle ASBZ	34 426 06
AdBlue® membrane pump SB 23 mobile with automatic nozzle ASBZ	34 426 13

Description	Part No.
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Images and specifications can be subject to change without notice

AdBlue® Membrane Pump

for IBC-container with standard filling gun SBB

incl. stainless steel bracket for IBC-container
standard filling gun SBB with stainless steel outlet,
SEC-coupling, 1,5 m suction- and 6 m delivery hose 3/4",
filling gun retainer with integrated drip tray

(IBC-container not included)

either with

AdBlue® Membrane Pump SB 30 - 230 V or
AdBlue® Membrane Pump SB 32 - 12 V DC or
AdBlue® Membrane Pump SB 32 - 24 V DC
(technical details see page 107)



AdBlue® Pump SB 30-IBC 230 V with standard filling gun SBB	34 428 04
AdBlue® Pump SB 32-IBC 12 V with standard filling gun SBB	34 428 11
AdBlue® Pump SB 32-IBC 24 V with standard filling gun SBB	34 428 28

AdBlue® Membrane Pump

for IBC-container with automatic nozzle ASB

incl. stainless steel bracket for IBC-container,
automatic shut-off filling gun ASB with stainless steel outlet,
SEC-coupling, 1,5 m suction- and 6 m delivery hose 3/4",
filling gun retainer with integrated drip tray

(IBC-container not included)

either with

AdBlue® Membrane Pump SB 30 - 230 V or
AdBlue® Membrane Pump SB 32 - 12 V DC or
AdBlue® Membrane Pump SB 32 - 24 V DC
(technical details see page 107)



AdBlue® Pump SB 30-IBC 230V with automatic nozzle ASB	34 428 42
AdBlue® Pump SB 32-IBC 12V with automatic nozzle ASB	34 428 66
AdBlue® Pump SB 32-IBC 24V with automatic nozzle ASB	34 428 73

AdBlue® Membrane Pump

for IBC-container with automatic nozzle ASBZ

incl. stainless steel bracket for IBC-container,
automatic shut-off nozzle ASBZ with integrated meter
and stainless steel outlet (technical details see page 111),
SEC-coupling, 1,5 m suction- and 6 m delivery hose 3/4",
filling gun retainer with integrated drip tray

(IBC-container not included)

either with

AdBlue® Membrane Pump SB 30 - 230 V or
AdBlue® Membrane Pump SB 32 - 12 V DC or
AdBlue® Membrane Pump SB 32 - 24 V DC
(technical details see page 107)



AdBlue® Pump SB 30-IBC 230V with automatic nozzle ASBZ	34 428 80
AdBlue® Pump SB 32-IBC 12V with automatic nozzle ASBZ	34 428 97
AdBlue® Pumpe SB 32-IBC 24 with automatic nozzle ASBZ	34 429 03

Accessories for AdBlue® Tank Units (AdBlue® is a registered trademark of the Automobile Association - VDA)

Description	Images and specifications can be subject to change without notice	Part No.
Standard Filling Gun SSB		
Manually operated filling gun with stainless steel outlet Ø 19 mm, designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergent, water-based liquids, connection via hose socket DN 19 (3/4")		
Standard filling gun SSB		34 392 93
Automatic Shut-Off Filling Gun ASB		
Automatic shut-off filling gun with stainless steel outlet Ø 19 mm designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids, connection via hose socket DN 19 (3/4")		
Automatic shut-off filling gun ASB		34 395 38
Automatic Shut-Off Filling Gun ASBZ		
Automatic shut-off nozzle with integrated meter and stainless steel outlet Ø 19 mm designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids, connection via hose socket DN 19 (3/4")		
Automatic Shut-Off Filling Gun ASBZ		34 395 21
In Line Turbine Meter DIGIMET		
Suitable to backfit/upgrade AdBlue® tank units, electronic in line turbine meter measure range 5-100 l/min. resettable display 0,1 -9999, 4-digit totalizer		
In Line Turbine Meter DIGIMET		35 430 06
SEC-Coupling with Hose-Socket		
SEC-coupling for AdBlue® drums and IBC-container, with angled socket for hose DN 19 (3/4")		
SEC coupling with hose-socket		34 080 22
AdBlue®-Suction Tube Set		
Suction Tube Set for retrofitting of AdBlue®-Units, suitable for AdBlue® drums and IBC-container		
AdBlue®-Suction Tube Set		34 080 84
Elbow 90° with Cap Nut		
Item necessary for the installation of in line turbine meter DIGIMET to tank units		
Elbow 90° with cap nut, 1" BSP		35 425 66
Meter Fitting Tube, Straight, Hose Socket DN 19		
Item necessary for the installation of in-line turbine meter DIGIMET to 200 l drum and IBC AdBlue® tank units		
Meter fitting tube, straight, with hose socket DN 19 (3/4")		35 425 04
Meter Fitting Tube Angled 90°, Hose Socket DN 19		
Item necessary for the installation of in-line turbine meter DIGIMET to mobile tank units MT-AdBlue®		
Meter fitting tube angled 90°, with hose socket DN 19 (3/4")		35 425 35
Hose Clamp Set for AdBlue® Tank Units		
4-part hose clamp set for fastening of EPDM hose on hose sockets of AdBlue® tank units		
Hose Clamp Set for AdBlue® Tank Units		39 921 70
EPDM-Hose, conductive DN 19		
Reinforced, conductive EPDM hose DN19 (3/4 ") black, UV resistant, OEM quality, max. 20 bar		
Hose sold by meter - available length max. 50 m		
EPDM hose, conductive DN 19 (sold by meter)		34 621 30



Hand Pumps with EX-Protection

Description	Part No.
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Images and specifications can be subject to change without notice

Lever Operated Barrel Pump HP 350-V-EX

Lever operated barrel pump designed for drums of 50 litre to 200 litre capacity, with grounding clamp, steel telescopic suction tube, variable 450 mm to 860 mm, body of zinc plated steel, 2" and 1 1/2" drum adaptor, removable, angled spout, seals made of **VITON**

Suitable for petrol and 2-stroke mixture

Lever operated barrel pump HP 350-V-EX 34 636 32

Aluminium Rotary Pump RP 100-EX

Includes with 1,5 m delivery hose, ball valve and nozzle for gear oil

2 chamber vane pump with grounding clamp, metal suction tube 1"/1m long, 1" foot valve male/female with seal, designed for drums up to 200 litre, 2" bung adaptor.

Suitable for petrol and 2-stroke mixture

Aluminium rotary pump RP 100-EX 34 611 26

Aluminium Rotary Pump RP 100-EX

with meter **DIGIMET M80 VITON**

Includes 1,5 meters delivery hose, ball valve and nozzle for gear oil

2 chamber vane pump with grounding clamp, metal suction tube 1"/1m long, 1" foot valve male/female with seal, flow meter DIGIMET M80, Viton, accuracy ±1% (at 16-80 l/min), designed for drums up to 200 Liters, 2" bung adaptor.

Suitable for petrol and 2-stroke mixture

Aluminium rotary pump RP 100-EX with Digimet M80 VITON 34 611 02

Delivery Hose EX DN 20 (3/4") 1,5 m long

Delivery hose DN 20 (3/4"), 3/4" male ends, conductive and petrol resistant

Delivery hose EX DN 20 (3/4"), lenght 1,5 m 34 620 24

Ball Valve Nozzle Assembly

Ball valve with nozzle for gear oil. Thread: R3/4" female

Ball valve nozzle assembly 34 620 48



Tank Units with ATEX Approval for Combustibles, Accessories

Description	Part No.
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Images and specifications can be subject to change without notice

Electric Vane Pump EX50

with ATEX approval

Electric vane pump EX50 with ATEX approval Ex dIIA T4 Gb, suitable for class A 1 hazardous substances, flash point < 21°, i.e. gasoline, diesel, 2-stroke fuel, fuel oil, alkylate fuels, kerosine

The self priming explosion-proof vane pump features an integrated by-pass excess-pressure control valve, a backlash valve, flange connector with 1" female thread, 1.5 m ground cable with crocodile clamp, suction filter, nozzle holster, 2" drum adaptor and detached 4 m power supply cable with fixtures (requires wiring by authorized personnel)

Flow rate: approx. 50 l/min. (free flow)
Electric data: 230V, 50 Hz, 0,25 KW, IP 55

Electric vane pump EX50 with ATEX approval 34 314 40

Electric Tank Kit EX50 with ATEX Approval

Kit includes explosion-proof vane pump EX50 (technical data see above)

Telescopic suction tube with max length 1.100mm, 4 m delivery hose 3/4", automatic shut-off filling gun

Electric tank unit EX50 with ATEX approval 34 329 59

Electric Tank Ki EX50 with ATEX Approval

with meter

Kit includes explosion-proof vane pump EX50 (technical data see above)

Telescopic suction tube with max length 1.100mm, 4 m delivery hose 3/4", automatic shut-off filling gun and flow meter DIGIMET K33

Electric tank unit EX50, ATEX approval, with DIGIMET K33 34 329 73

Electronic Hose End Meter DIGIMET K33

Electronic hose end meter with flange connection for electric vane pump EX50, seals made of VITON, delivery counter 0-999 l, 6 Digit Totaliser, flow rate 20 - 120 l/min, accuracy +/- 1%

Electronic hose end meter DIGIMET K33 35 408 21

Double End Threaded Brass Connector

with cone seat at both ends

Double ended connector R 1/4" x R 1/4", male 39 914 49
Double ended connector R 1/2" x R 1/2", male 39 912 03
Double ended connector R 1/4" x R 3/8", male 39 914 87

Double End Threaded Brass Connector

with cone seat at one end

Double ended connector R 3/8" x R 1/2", male 39 913 88
Double ended connector R 1/2" x R 3/4", male 39 912 34
Double ended connector R 3/4" x R 3/4", male 39 913 40
Double ended connector R 3/4" x R 1", male 39 913 57
Double ended connector R 1" x R 1", male 39 910 12
Double ended connector R 1" x R 1 1/4", male 39 914 18

Sleeve and Reducer Connector, Galvanized Steel

Sleeve M 10x1 female hex nut 14 x 13 39 910 67
Reducer connector M10x1 male x R1/8" female 39 910 74
Reducer connector R 1/8" male x M10x1 female 39 910 81
Reducer connector M10x1 female x R1/4" male 39 910 43
Reducer connector R 1/4" female x M15x1 male 39 915 00



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30 009 05	8	30 702 36	13	32 440 02	24	32 800 93	32	32 834 14	35	33 105 09	41	33 780 80	8
30 010 70	6	30 702 50	13	32 440 40	24	32 801 16	32	32 835 06	33	33 110 01	41	33 782 95	8
30 015 51	16	30 920 16	27	32 443 23	31	32 801 30	32	32 835 13	33	33 110 25	41	33 790 70	43
30 016 05	6	30 990 60	27	32 443 30	31	32 801 54	32	32 835 99	32	33 120 08	41	33 791 55	47
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30 025 03	16	30 991 21	27	32 448 28	31	32 811 06	34	32 836 12	35	33 150 30	41	33 793 15	55
30 026 02	6	30 992 06	27	32 450 09	27	32 811 13	35	32 836 50	34	33 151 08	41	33 793 22	55
30 050 30	7	31 000 18	14	32 450 30	27	32 811 20	34	32 836 67	35	33 200 10	39	33 793 60	55
30 060 20	7	31 001 24	14	32 451 08	27	32 811 37	35	32 836 81	34	33 200 27	39	33 794 90	55
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30 080 00	16	31 004 38	29	32 453 20	27	32 812 05	33	32 837 04	33	33 200 72	39	33 795 44	54
30 090 07	16	31 010 15	17	32 453 44	27	32 812 12	33	32 837 11	33	33 201 02	39	33 795 51	54
30 100 10	16	31 090 04	9	32 455 04	24	32 814 03	34	32 837 42	34	33 201 26	39	33 795 75	55
30 101 19	16	31 091 03	9	32 455 11	24	32 814 10	35	32 838 03	34	33 300 02	39	33 795 82	55
30 103 00	16	31 093 01	17	32 456 03	24	32 814 96	33	32 838 10	35	33 300 19	39	33 805 02	43
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30 107 06	16	31 100 00	9	32 457 02	24	32 816 01	34	32 838 34	35	33 300 33	39	33 805 71	52
30 110 00	6	31 150 50	9	32 458 01	24	32 816 18	35	32 838 65	34	33 300 57	39	33 810 04	43
30 112 22	6	31 151 04	17	32 460 44	27	32 816 56	34	32 838 72	35	33 300 64	39	33 810 28	43
30 112 39	6	31 198 05	9	32 460 75	27	32 816 63	35	32 838 89	34	33 300 71	39	33 810 42	45
30 112 77	6	31 200 23	10	32 530 04	26	32 816 87	34	32 838 96	35	33 300 88	39	33 810 66	45
30 112 91	6	31 200 30	10	32 530 11	26	32 816 94	35	32 839 02	33	33 405 20	38	33 810 80	52
30 113 21	6	31 200 92	10	32 531 03	30	32 817 00	33	32 839 19	33	33 410 08	38	33 815 16	43
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30 116 42	7	32 101 06	14	32 540 18	26	32 818 09	34	32 839 64	33	33 412 51	38	33 815 78	45
30 116 59	7	32 101 20	14	32 540 49	26	32 818 16	35	32 839 71	33	33 425 00	38	33 815 92	52
30 117 03	7	32 102 05	14	32 542 16	30	32 818 23	34	32 839 88	32	33 450 06	38	33 816 08	45
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30 215 04	16	32 400 35	31	32 565 48	30	32 819 46	33	32 841 21	34	33 522 02	39	33 818 82	52
30 219 00	6	32 400 42	24	32 565 79	30	32 819 77	33	32 841 38	35	33 523 01	40	33 819 05	45
30 220 20	6	32 400 66	24	32 565 86	30	32 819 84	33	32 841 45	34	33 524 00	40	33 819 12	45
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30 250 90	7	32 401 41	24	32 570 02	26	32 820 28	35	32 844 11	35	33 535 82	40	33 825 06	43
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30 422 02	12	32 416 05	24	32 615 66	28	32 828 06	34	32 858 45	34	33 720 64	9	33 901 29	48
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30 426 08	12	32 416 43	31	32 650 07	28	32 828 37	35	32 861 25	32	33 720 95	46	33 902 28	48
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34 007 81	65	34 105 75	50	34 319 52	102	34 425 45	109	34 705 24	73	35 414 46	89	39 913 88	113
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34 008 80	67	34 106 29	50	34 320 89	103	34 428 11	110	34 710 26	72	35 415 45	54	39 921 70	111
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34 027 09	69	34 118 24	51	34 338 95	80	34 620 17	60	35 210 59	93	35 547 12	97		
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I. Quotation

The documentation pertaining to the quotation such as illustrations, drawings, details of weights and dimensions are only approximately authoritative where they are not expressly designated as binding. The supplier retains the right to ownership and Copyright of all cost estimates, drawings and other papers. These must not be made accessible to third parties. The supplier has an obligation not to make accessible to third parties any plans designated as confidential by the purchaser, without the latter's approval.

II. Scope of the delivery

The written order confirmation from the supplier is definitive for the scope of the delivery. In the case of a quotation from the supplier with a time commitment and timely acceptance, the quotation is definitive, where there is no confirmation of the Order in good time. Supplementary agreements and changes require the written confirmation of the supplier.

III. Price and payment

1. In the absence of any special agreements the prices are ex works, including loading at the factory, but excluding packing. VAT at the applicable statutory rate must be added to the prices.
2. In the absence of any special agreement payment is to be made in cash with no deductions and free of charge at the supplier's point of payment within 30 days after dispatch. We grant a discount of 2% if the payment is carried out within 14 days after dispatch.
3. The withholding of payments or the offsetting of any counter claims by the purchaser which are disputed by supplier are not permitted.
4. For orders of less than EUR 50,- nett invoice value we charge a handling charge of additional EUR 15,- for each order.
5. In case of disproportional increases of costs such as labour or material costs we preserve the right for price adaptations even within the period of validity of this price list.

IV. Delivery time

1. The delivery time begins with the sending of the order confirmation but not before the purchaser furnishes the documents, approvals, clearances to be provided and also the arrival of the agreed down payment.
2. The delivery times will be extended commensurately in the event of actions which form part of labour disputes, especially strikes and lockouts and also in the event of any unforeseen impediments which are outside the control of the supplier where such impediments can be shown to have a considerable influence of the manufacture or shipment of the object being supplied. This also applies when these circumstances occur at sub-suppliers. The circumstances described are also not to be blamed by the supplier when they arise during an already existing delay. In important cases the supplier will notify the purchaser of the beginning and end of such impediments as soon as possible.
3. The delivery times has been adhered to if by the time it expires the object being supplied has left the factory or its readiness for despatch has been notified.
4. When damage is suffered by the purchaser as a result of delay which has occurred due to the supplier, the purchaser is entitled to request compensation for the delay, to the exclusion of further claims. For each full week of lateness this will amount to 1/2 of 1%, but at the most 5% of the value of that part of the total delivery which as a result of the delay cannot be utilised in good time or in accordance with the contract.
5. If despatch is delayed at the wish of the purchaser he will be charged for the cost of storage beginning one month after indication of readiness for despatch, for storage at the supplier's factory however at least 1/2 of 1% of the invoiced amount for each month. The supplier however is entitled after setting a suitable period and its fruitless expiry to make other use of the object being supplied and to supply the purchaser over a suitable extended period.
6. Adherence to the delivery period assumes the purchaser meets his contractual obligations.

V. Transfer of risk and acceptance

1. The risk is transferred to the purchaser at the latest upon despatch of the supplied parts, i.e. even if partial deliveries are made or the supplier has taken on further services such as the costs of despatch or transport and setting up. At the request of the purchaser, and at his expense, the shipment can be insured against theft, breakage, transport, fire and water damage and other insurable risks.
2. If the despatch is delayed as a result of circumstances which are the fault of the purchaser, then the risk is transferred to the purchaser from the day of readiness for despatch; the supplier is however under an obligation, at the wish and expense of the purchaser, to effect insurance which the latter request.
3. Objects supplied, even if they exhibit insignificant defects, are to be accepted by the purchaser regardless of the rights under section VII.
4. Partial deliveries are permissible.

VI. Right of ownership

1. The supplier retains the right of ownership to objects supplied until the arrival of all payments under the contract to supply.
 2. The supplier is entitled to insure the object supplied against theft, breakage, transport, fire and water damage and other damage at the purchaser's expense when the purchaser has not shown that he has taken out that insurance himself.
- For defects in the delivery, which includes the absence of the properties explicitly promised, the supplier has the following obligations, to the exclusion of further claims regardless of section IX, 4.

VII. Liability for defects in the delivery

1. All parts which within six month of commissioning prove to be unusable or whose usability is significantly impaired as a result of a state of affairs which was present before the transfer of risk, particularly due to faulty construction, poor material or bad workmanship will be repaired or supplied new at the choice of the supplier, as he judges best. The discovery of such defects is to be reported to the supplier in writing without delay. Replaced parts become the property of the supplier. If despatch, set up or commissioning is delayed, without blame being attached to the supplier then this liability expires at the latest 12 month after the transfer of risk. For essential third party products the supplier's liability is limited to the transfer of the entitlement to liability which exists vis a vis the sub-supplier of the third party product.
2. The right of the purchaser to assert claims due to defects expires in all cases in 6 months from the time of the punctually made complaint, or upon the expiry of the warranty period.
3. No warranty is taken on for damage which occurs due to the following reasons: unsuitable or improper use, incorrect fitting or incorrect repair by the purchaser or by a third party, natural wear and tear, incorrect or negligent treatment, unsuitable operating materials, replacement materials defective construction work, unsuitable construction site, chemical, electro-chemical or electrical effects for which the blame cannot be attributed to the supplier.
4. To allow the repairs and the supply of replacements to be carried out, which appear necessary in the best judgment of the supplier the purchaser, after agreement with the supplier, must provide the necessary time and opportunity otherwise the supplier is released from his obligation for the defect. Only in urgent cases where operational safety is a risk or to avoid disproportionately large damage, whereupon the supplier must be made aware immediately, or if the supplier is delayed in eliminating the defect, the purchaser has the right to eliminate the defect himself or have it eliminated by a third party and to demand reimbursement of the necessary costs from the supplier.

- 5. Of the direct costs incurred by the repairs of the supply of replacements the supplier will - insofar as the complaint is shown to be justified- bear the cost of the replacement items including the despatch, plus the reasonable costs for the removal and fitting and furthermore, where this can be rightly requested depending on the situation of the individual case, any necessary costs for providing his mechanics and assistants. The purchaser generally bears all other cost.
- 6. The warranty period on the replacement items and the repair is three months, but this will run until the time of the expiry of the original warranty period for the object supplied. If repairs are necessary the period of liability for the object supplied will be extended by the length of the interruption in operation caused by this.
- 7. Any modifications or repair work carried out on the part of the purchaser or a third party either inexpertly or without the prior approval of the supplier will cancel the liability for the consequences such actions.
- 8. Further claims by the purchaser, especially claims for damage which did not occur on the supplied object itself are excluded. The exclusion of liability does not apply if the owner or leading the owner or leading employee, the supplier is only liable for sensibly foreseeable damage typical of the contract. The exclusion of liability also does not apply in cases where in accordance with the product liability law liability is accepted for damage to persons or property on privately used objects, where faults exist on the object supplied. It also does not apply when properties.

VIII. Liability for associated obligation

When, through the fault of the supplier, the object supplied cannot be used by the purchaser in accordance with the contract as a result of omitted or incorrect implementation of suggestions or advice which occurred before or after conclusion of the contract and also other obligations related to the contract, especially instructions for the operation and maintenance of the object supplied then the rulings in Section VII and IX apply appropriately, to the exclusion of further claims by the purchaser.

IX. The rights of the purchaser to withdrawal, variation and other liability of the supplier

- 1. The purchaser can also withdraw from the contract is the whole provision of supplies and/or services becomes completely impossible for the supplier before the transfer of risk. The same applies in the event of the supplier's inability to deliver. The purchaser can also withdraw from the contract, for an order of objects of the same type, the implementation of a part of the delivery becomes impossible with respect to quantity or he has a justified interest in refusing a partial delivery, if this is not the case the purchaser can reduce the counter payment to suit.
- 2. If a delivery delay exists as defined under Section IV of the Conditions of Supply and if the purchaser grants the supplier who is in arrears with the delivery a suitable extension period with an explicit declaration that after the expiry of this period he will refuse to accept the goods and/or services, and if this extended deadline is not met, then the purchaser is entitled to withdraw.
- 3. If the impossibility occurs during the delay in acceptance or due to the fault of the purchaser then the purchaser remains obliged to make the counter payment.
- 4. The purchaser also has the right to cancellation of the contract if the supplier, through his own fault, allows a suitable extension period granted to him for repairs of the supply of replacements with regard to a defect, as defined in the conditions of supply and attributable to him, to expire fruitlessly. The right of the purchaser to cancellation of the contract also exists in other cases of failure of the supplier to repair or supply a replacement.
- 5. Further claims by the purchaser are excluded, especially to termination or reduction and also to compensation for damages of any kind i.e. also for any damages which did not occur on the supplied object itself. This exclusion of liability does not apply if the owner or leading employee have acted with intent or gross negligence and also if there has been a blameworthy violation of essential obligations under the contract. In the event of blameworthy violations of essential obligations under the contract, except in cases of intent or gross negligence by the owner or leading employee, the supplier is only liable for sensibly foreseeable damage typical of the contract. The exclusion of liability also does not apply in cases where in accordance with the product liability law liability is accepted for damage to persons or property on privately used objects, where faults exist on the object supplied. It also does not apply when properties are absent which were expressly promised when the promise had the intention of covering the purchaser against damage which did not arise on the supplied object itself.

X. Court of jurisdiction

If the purchaser is a fully qualified merchant, a legal personage in public law or a legally separate property proceedings for all disputes arising from a contractual relationship are to be taken at the court with jurisdiction for the supplier's head office or the branch of the supplier which made the delivery. The supplier is also entitled to take proceedings against the buyer at the court of jurisdiction for his head office.

MATO GmbH & Co. KG
63165 Mühlheim
Germany

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mato



MATO GmbH & Co KG
Benzstr. 16-24
63165 Mühlheim a. M.
Germany
T: +49 (0) 6108 - 906-0
F: +49 (0) 6108 - 906-120
www.mato.de
lubrication@mato.de



MATO France S.A.R.L.
2 Rue du Grunhof / ZA
F-57890 Porcellette
France
T: +33 -(0) 3 - 87821215
F: +33 - (0) 3 -87297213
mato.france@mato.de



MATO Industries Ltd.
Lumatic Lubrication Division
26 Brunel Road
St Leonards on Sea, East Sussex
TN38 9RT United Kingdom
T: +44 (0) 1424 - 851270
F: +44 (0) 1424 - 850091
sales@lumatic.co.uk



MATO Iberica, S.L.
Pol. Industrial Mora Garay
Calle Marie Curie, parc. 36/38
E-33211 Gijón Spain
T: +34 (0) 985 - 328900 / 328211
F: +34 (0) 985 - 322647
matoiberica@matoiberica.es



MATO Suisse AG
Industriestrasse 53
CH-6034 Inwil
Suisse
T: +41 (0) 41 - 4490990
F: +41 (0) 41 - 4490992
info@mato.ch www.mato.ch



MATO Corporation
201 Resource Drive
Beckley, WV 25801
West Virginia USA
T: +1- 304 - 255 1280
F: +1- 304 - 255 2501
info@mato-usa.com



MATO Australia Pty Ltd.
PO Box 3102
39 Bonville Avenue
Thornton NSW 2322
Australia
T: +61 1300-850 795
F: +61 2 4936-1388
maus@mato.com.au



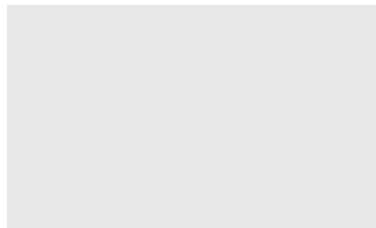
MATO Industrial Technologies
(Qufu) Co Ltd.
West End of Changchun Road
Development Zone of Qufu
273100 Qufu City, Shandong
PR China
T: +86 537-4533799
F: +86 537-4533299
www.mato.com.cn



MATO Sib
Uliza Telefonnaja 15
Kemerovo
652523 Leninsk-Kusnezkiy
Russian Federation
T: +7 (0) 38456 35166
F: +7 (0) 38456 35166
mato-sib@yandex.ru



MATO Products Pty Ltd.
P.O. Box 224
Kempton Park 1620
28 Forge Road Spartan
South Africa
T: +27 (0) 11-928 4163
F: +27 (0) 11-923 6071
matosales@multotec.co.za



**HENNLIICH
ŽIJEME TECHNIKOU**

o.z. HENNLIICH CEMA-TECH,
Dolní 183/30, 591 01 Žďár nad Sázavou

Telefon: +420 566 630 524
E-mail: cema-tech@hennlich.cz

www.hennlich.cz/cema-tech